# EPHEMERIDES
OF THE
# Cœleſtial Motions
For Six Years;
Begining *Anno* 1702, and ending *Anno* 1707.
Diligently calculated from
## *SCIENTIA STELLARUM*,
AND
## Accommodated to the Horizon of the Honourable City of *LONDON*,

Whoſe { Longitude / Latitude } is { 24° 20′ / 51 32.

With an Introduction touching the Theory of the Sun and Planets: As alſo a Demonſtration of the Height of our Atmoſphere; and likewiſe Tables of Right and Oblique Aſcenſions in time, for the more exact and ſpeedy Calculating of the Riſing, Southing, and Setting of the Planets and Fixed Stars.

By *JOHN WING*, Mathemat.

*LONDON*,
Printed by *T. Hodgkin*, and ſold by *John Taylor* at the Ship in St. *Paul*'s Church-Yard. 1702.

# EPHEMERIDES

OF THE

## Celestial Motions

for Six Years:

TO THE

RIGHT HONOURABLE

# *Baptiſt* Earl of *Gainsborough*,

## Viſcount *Campden*, Baron *Noel* of *Ridlington*, and Baron *Hicks* of *Ilmington*.

*Right Honourable*,

THE Subject I here treat of, is approv'd to be truly Noble, by Men of Learning, and hath always been ſo eſteem'd; for it is a Science that treats of thoſe moſt Excellent and Glorious Creatures the *Sun*, *Moon*, *Stars*, and *Orbs Celeſtial*, being the brighteſt and moſt Glorious Part of the viſible Creation; which I here humbly Dedicate to your Honour's Patronage; and moſt readily own, I know none of your Standing ſo expert in theſe Sciences as your Honour is, which your Genius has moſt naturally led you to, as well as to other abſtruſe Parts of Learning: Not that I think to add the leaſt Atom to your VVorth, but to ſet a Luſtre upon theſe my poor Labours, by having the Stamp of your truly Noble and Generous Name upon them, which I know will not only evince the Currency of the Matter, but alſo protect both the Book and Author from Cenſure, which is the chief Ends of Dedications, which I may moſt ſurely depend upon, ſince your Honour is doubly Eminent, for your Birth and Senſe; and your Noble Family have been always Propagators of the true Proteſtant Church,

and

and of unshaken Loyalty to the King; and so long as Gratitude obliges Mankind, those truly good and great Offices of Charity that are frequently done by your generous Family, must ever be commemorated in the Hearts of all that know them; which Illustrious Vertues have all along been hereditary to your Honour's Family: And I may truly say with the Queen of *Sheba*, 2 *Chron.* IX. v. 7. *Beati homines tui & beati Servi tui isti, qui stant coram te jugiter.* I could willingly dwell something longer upon this Subject, did not I very well know your Modesty to be as great as your Merit, and that you are altogether as averse to receive those Praises due to your Accomplishments, as the VVorld is willing to pay them. But, to conclude, I humbly submit this double Ephemeris to your Judgment, as well as recommend it to your Protection; humbly craving your Pardon for my Boldness in retributing so small (tho' laborious) a Matter as the Dedication of this Production of my Pen. I take my leave, humbly desiring God Almighty to bless you in all your Ingenious, Loyal, and Honourable Intentions whereby You may always be an Ornament to your Country, an Instrument of God's Glory here, and a Professor of it hereafter, shall be the daily Prayer of,

(Right Honourable)

*Your Meanest Servant, and*

*ever Faithful Honourer,*

JOHN WING.

TO

# TO THE READER.

Courteous Reader,

THE *Noble Science of* ASTRONOMY (*as* Joſephus *teſtifies*) *was practiſed by* Adam, Seth, Noah, Abraham, *and others of the Old World: And, as* Moſes *our Divine Lawgiver, records it, that the Hebrew Year* (*which was then generally uſed*) *was ſo limited and tied to the Motion of the Sun and Moon, that without the exact Knowledge of their Motions no true Account thereof could be given: ſo that it appears Aſtronomy was highly eſteem'd in thoſe Days both for its Excellency and Uſefulneſs; and indeed what can be more excellent to behold than the Harmony of the Cœleſtial Motions; ſo that* Ptolemy *in the beginning of his* Almagiſt *affirms* hanc unam ſcientiam eſſe viam ac ſemitam ad ſciendum Deum Altiſſimum. *Whence it is that this Science hath found no ſmall Reſpect among the Judicions in all Ages from the Creation of the World, tho' it did not arrive to any tolerable Perfection till the two or three laſt Ages. But to tell the Original, and to proceed gradually to ſhew by what Perſons ſucceſſively it is come to the Perfection we now enjoy it in, would take up more time than I can now well ſpare; therefore ſhall content my ſelf at this time with ſaying a Word or two concerning the following Ephemeris for Six Years.*

I. *It is a Calculation* de novo *from the Tables in my* Scientia Stellarum (*as thoſe that pleaſe to try, will find;*) *for it*

nei-

*neither can be a Tranſcription from any Author, in reſpect there was no Ephemeris (that I know of) but the* Felſonian *extant, which I never ſaw but once, and that was in the Year* 1690, *in the Study of my very good Friend Mr.* John Partridge; *therefore as a Calculation from the aforeſaid Table I recommend it, and no otherwiſe.*

II. *The Reaſon that induc'd me to it, was the abſolute Neceſſity or real Want of ſuch a Work, tho' I was in hopes Mr.* Gadbury *would have oblig'd the World with his* 60 *Years Ephemeris long before this, it being finiſh'd (as himſelf owns) many Months ſince.*

III. *I have done it out of no other Deſign but to be ſerviceable in my Generation; and tho' I have taken all the care imaginable that it ſhould appear as free from Error as may be, yet I dare not pretend it is without, for that would be great Preſumption indeed; for there is no Perfection on this ſide the Grave, that being not the Talent of any Mortal.*

IV. *As I have had the Pains in the whole Calculation, I wiſh all unprejudic'd Artiſts the Profit thereof, and ſhould be really glad to ſee one better done, and likewiſe from better Tables, which when I am aſſur'd of, ſhall be as heartily acknowledg'd by*

(Gentlemen)

Your Mathematical Friend,

JOHN WING.

TO

To his Worthy Friend

# Mr. John Wing

On this his Six Years

# EPHEMERIDES.

I'Ve ſtudy'd long, but yet can find no Ways
By which I can promote our Author's Praiſe,
Nor yet his Works fully for to commend,
Which he with ſo much Pains and Labour penn'd.
His Ingenuity I ſhall admire,
Famous for Skill, and yet ſtill mounting higher.
Who like to him could e'er take Wings and fly
Up to the Heavens ſpangled Canopy!
And there behold the Motion of each Star.
Sure this is Heaven's great Interpreter.
If ſuch a Man had ancient Days adorn'd
Great *Rome*, her canting Prophets would have ſcorn'd.
Who like him yet could all the Planets trace,
Or who could ſo exactly give their Place?
In this not one Eclipſe but plain appears
Clearer than in the laſt dark twenty Years.
Now carping *Momus* may forbear to grudge;
And let ev'ry impartial Artiſt judge

VVhe-

Whether the like was ever done before
In all the Ages that have been paſt o'er:
Therefore you Fav'rites of *Urania*'s Court,
And you that in her ſpangl'd Orbits ſport,
VVith me joyn Voice, and with the Trump of Fame
Let's ſpread abroad our skilful Author's Name:
A Name that ne'er ſhall die, but always laſt
Till the laſt Ev'ning of this VVorld be paſt:
And in the mean time let it ſtand inroll'd,
For our Remembrance, in rich Leaves of Gold.
Go on, dear Friend, and proſper, wiſheth he
VVho will remain your Servant for to be,

FRANCIS MOORE,

*Licens'd Phyſician and Student in Aſtrology.*

AN

## *To his Worthy Friend Mr.* JOHN WING *on his Six Years* EPHEMERIS.

DRAW up the Screen, Let the Spectators come
See Nature's *Clock-work* here exactly done,
In ev'ry Orb, how ev'ry body there
Doth by th' eternal Laws of God appear:
There's not a *Minim*, not a *Crotchet* there,
But ſtrikes in order with the *Tuneful Sphere*,
It's Motion too is from th' old Innocence,
No quarrelling for Wall nor Precedence.
But all's in Motion now; the Seven move;
And as our *Wing* directs, they go above.
He quickens *Mars*, bids *Saturn* move more ſlow.
As he commands, th' unconſtant *Moon* muſt go.
He tells us too, when *Great Conjunctions* come,
When Red fac'd *Titan* creeps behind the *Moon*,
When *Luna* veil'd, keeps in her Tiring Room.
Here's Six Years done, well done, and well deſign'd,
And of the ſame there's Fourteen more behind.
To tell thy Worth, I can't; 'twas known before;
Thy Pen it ſelf hath done it o'er and o'er.
In *Crouds of Figures* marſhall'd like Recruits,
Each for its *Maker* and his Worth diſputes.
All give you Thanks, (and I among thoſe many)
But *Black-mouth'd Babes* that ne'er ſpeak well of any.
You nick'd the Time; 'tis opportunely come
Yet never threatned us as ſome have done
With what they never writ, nor thought upon.
So the great *Starry Dagon*, as 't appears,
Did threaten us with one for *Fifty Years.*
Another too, great in the Book of Fame,
With a *Grim Folio* ſtrutted as he came.
Too big, quoth I. Too big they all did cry,

With-

Without Subſcriptions that good W ork muſt die.
*Dark Lanthorn Authors*, ſo Verboſe and Loud,
With frightful fairy Fancies ſcare the Crowd.
Well, Worthy Friend! Thy Merit I muſt own!
Let *Baſe Detracters* in their Way go on.
Let Merit build thy Fame in good Mens Hearts,
While *Sol* and *Stilbon* give the Life and Parts.
Heav'n crown thy Hopes, and make thee proſp'rous too,
Here, and hereafter happy. So *Adieu.*

*Sic ex animo vovet* J. PARTRIDGE.

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# *ERRATA.*

PAGE 8. l. 2. r. 35′ 16″. p. 13. l. 19. r. 7′ 36″ N. p. 14. l. 30. r. 0′ 0″. p. 15. l. 15. r. *Longit.* ♄. p. 15. from l. 22, to the Bottom under *Lat.* ♄ *Obſer.* r. *B. B. &c.* p. 19. l. 25. r. ♋ 29° 15′ 53″. p. 97. l. 37. r. ♃ 19° 24′. p. 107. l. 19. r. 10° 0′ 5″ ♋. p. 108. l. 3. r. ☽ ♈. p. 110 l. 34. r. 21° 59′ under ♌ ♋. p. 126. two laſt Lines, r. *So. Deſcend.* 2′ 47″. and *No. Aſcend.* 7′ 7″ p. 138 under ♌ ♋ l. 15. r. 11° 47′ and l. 26. under ♃, r. 7° 52′; and l. 34 r. 9° 33′. p. 139. l. 29. under ♂, r. 12 ♎ 32. p. 146. under ♄ r. 20° 2′. p. 148. under ♃, l. 16. r. 18. 1. p. 158. l. 13. r. ☌ 16° 7′ 00″. p. 160. under ♃, l. 17. r. 11° 35′ p. 173. under ♃, l. 34. r. 16 8 27. p. 177. und. ♀, l. 37. r. 5♎ 6. and Bottom, l. 7. ♏ 34. p. 192. under ♀, l. 18. r. 13-D-41. p. 194. under ♃, l 9. r. 18° 5′. p. 197. under ♄. l 24. r. *Orient.* and ſtrike it out. Under ☉, p. 201. l. 8. r. ☌ ♃ ♀. p. 232. l. 34. under ♃, r. 24° 3′. p. 233. uuder mutual Aſpects, l. 18. r. ☌ ♃, *at.* p. 234. under ♌ ♉, l. 10. r. 14° 0′. p. 238. under ♄, l. 24. r. 2° 0′. p. 245 under ♀, l. 37. r. 14. 19. p. 258. under ♃, l 13. r. 29° 3′. and l. 14. r. 27° 57′ p. 263. under ☉, l. 26. r. 6 ☌ 3. p. 274. under ♄, l. 33. r. 17° 59′. and l. 34. r. 17° 58′. p. 280. under. ♄, l. 19. r. 13° 1′.

Here note, that you will find in the Heliocentrick Places and Aſpects of the Planets through the whole Six Years Ephemeris, this Character ⊙ for ⊖.

Obſerve alſo, to put the Moveable Feaſts in the *Roman* Account one Day forwarder; as in the Year 1702, their *Eaſter* is placed *April* 15th, which ſhould have been *April* 16th. Obſerve the ſame of the reſt through the whole Six Years Ephemeris.

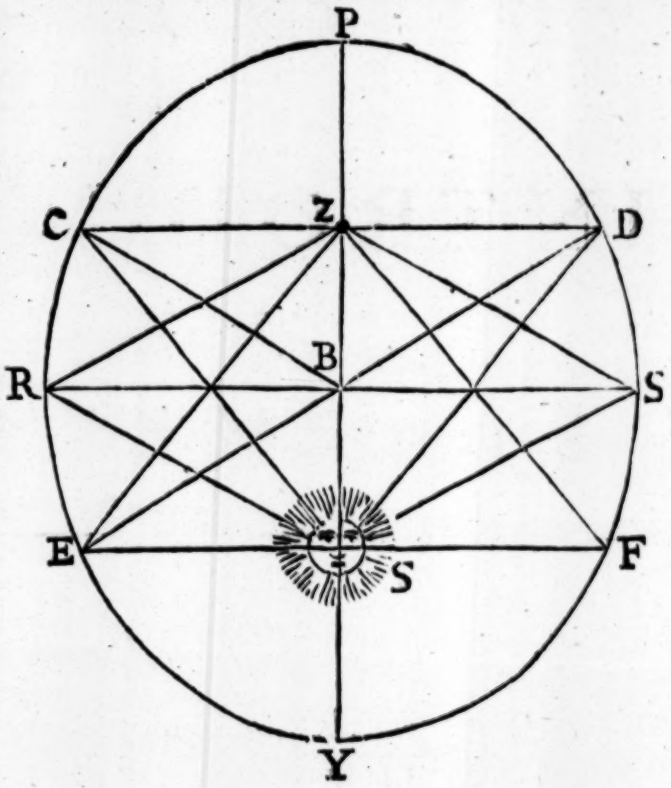
# AN INTRODUCTION TO THE EPHEMERIDES.

## CHAP. I.

### *Of the Theory of the Sun and other Planets, according to* SCIENTIA STELLARUM.

ALtho' the Motions, Magnitudes, and Diſtances of the Planetary Bodies are (in the two laſt Ages) ſo nearly found out, that one would think there were little Occaſion to pry further into the Secrets of *Urania* for a further Diſcovery; yet I do verily believe it will appear in a ſhort time that the Places of the Superiour Planets are ſubject to ſecular Inequalities that have not yet been taken notice of, which I ſhall not touch upon now, but conſider according to the Hypotheſis of the *SCIENTIA STELLARUM*, that the Motion of the Earth, and all the Superiour and inferiour Planets are performed about the Sun in Elliptick Paths or Orbits (as Obſervations clearly evince) wherein they keep a juſt and due Uniformity of Motion, according to the everlaſting Decree of the Great Jehovah; therefore, for the Explication and right Underſtanding of the Nature and Quality of their true Motions, I ſhall here preſent you

with this Figure, and therein deſcribe all ſuch Lines, Arches, Semicircles, Orbits, and Points as are requiſite and neceſſary to be underſtood for the Calculating of their true Motions.




Suppoſe this Ellipſis noted with the Letters PCREYFSD be the Orb of the Earth, or any of the other Planets, wherein the Line PY ſignifies the tranſverſe Diameter, and RS the Conjugate Diameter of the Ellipſis, P the Place of a Planet when he is Aphelion, or his greateſt Diſtance from the Sun, Y his Place when he is Perhelion or neareſt him, S the Place of the Sun, who is the common Node and Center of the Planetary Orbs, to which their true Motions are referr'd; Z the other Focus of the Ellipſis, about which their mean Motions are regulated, B the Center of the Figure, SR = BP the Tranſverſe Semidiameter, BR the Conjugate Semidiameter; and laſtly, ZS the double Excentricity, or Diſtance of the Umbilick Points, or Foci of the Ellipſis.

Having now deſcrib'd the Figure wherein the Planet is mov'd, I will next ſhew after what manner the true Place of a Planet may be found out and determin'd therein.

Firſt, you muſt know that the mean Anomaly is the equal Diſtance of a Planet from the Place of his Aphelion at P, and it is accounted from P by R towards Y, and ſo on towards P again; where you are to note that a Planet is as long running the leſſer Arch of the Ellipſis DPC, as he is the other Arch thereof CYD, which

which is, becauſe (the mean Motion being made upon the Point Z) the Planet deſcribeth equal Angles in equal Intervals of Time. Hence it is, that ſeeing the Motion is equal upon the one Focus of the Ellipſis, it muſt neceſſarily be unequal upon the other, wherein the Sun is ſeated; as you may diſcern both by the Figure and the following Demonſtrations.

But for Illuſtration, let us ſuppoſe the Planet in C 90 Degrees from P his Aphelion; the Angle of the mean Anomaly will then be ſhew'd by the Angle PZC, and the Coequate Anomaly will be equal to the Angle PBC; and laſtly, PSC ſhall repreſent the Angle at the Sun, which how it may be found, we ſhall demonſtrate in the next Chapter.

## CHAP. II.

### *To find the Angle at the Sun, and conſequently the true Place of the ☉ or other Planet in the Ellipſis.*

IN the following Figure the Angles PXH, PXT, PXC, and PXE repreſent the Anomaly of the Sun, or other Planet; PSN, PSM, PSD, and PSK, the Angles at the Sun, which may be found after this manner.

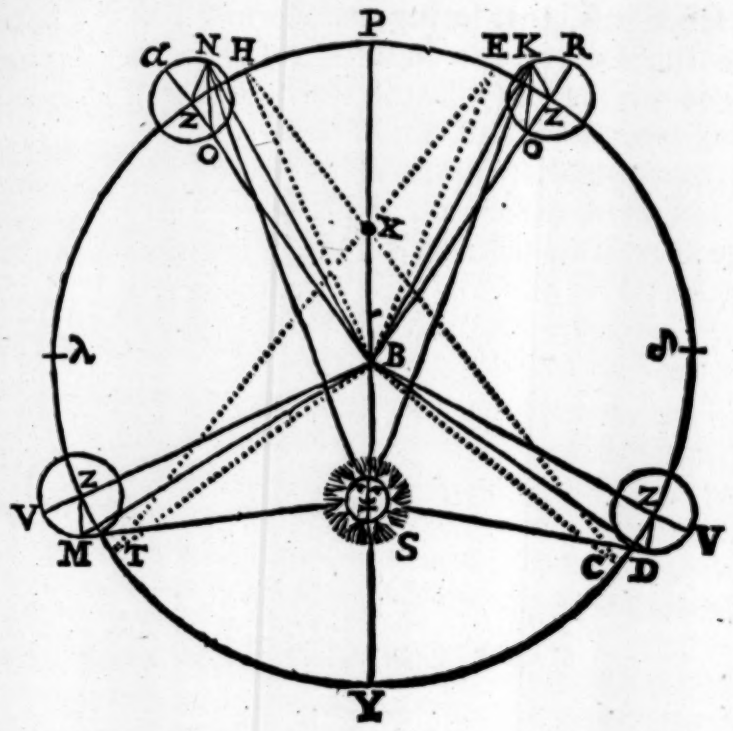
Let us ſuppoſe the mean Anomaly of the Earth to be 30 Degrees, repreſented by the Angle PXH, whoſe Compliment BXH is 150 Degrees; by help whereof, with the common *Radius* and Excentricity, we ſhall proceed to inveſtigate the Sun's true Place by Trigonometry.

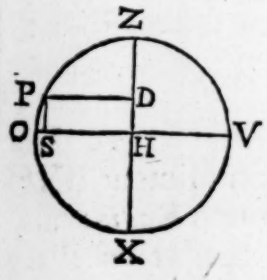
1. In the Triangle HXB are given (1) the Angle of the Compliment of the mean Anomaly, BXH 150 Degrees, (2) the Side BH 100000, (3) the Side BX 1685.

As BH 100000--5.00000
To BX 1685-----3.22660
So S Angle BXH 150 gr. 9.69897
To S. Ang. XHB 0°--28'--59" 7.92557

Therefore the Angle XBH is 29° 31' 01" whoſe double is 59°--2'--02" the Anomaly of Variation.

2. In this little Circle ZOXV, I number the Angle of the Variation from Z to P 59°-- 2'--02" then ſay,




As the *Radius* 90 gr.———————— 10.00000
To the greateſt Variation HO, 1'-26" 6.61936
So, S. HS = DP 59°-2'-02"———— 9.93321
To the Variation required HS-1'-15"-6.55257

But becauſe the Planets are mov'd in an Ellipſis, and not in perfect Circles, therefore we are next to get his Place in the Ellipſis: To which end I deſcribe the little Circle αON; wherein from α to N, I number the Anomaly of the Epicycle 59° 1' 00", ſo will the Angle αON be equal to the corrected Anomaly PBZ; whence it appears that N is the Place of the Planet in the Ellipſis, and the Angle ZBN the Equation of the Epicycle, or the difference between the place of a Planet in the Circle, and in his Ellipſis, which may be thus found: 3.

3. In the Triangle BZN, are given (1) BZ 100000. (2.) ZN ♌. (3) BZN 120 Degrees 59′ 00″

| | | |
|---|---|---|
| Sum of BZ and ZN 100008 | | 5.00003 |
| Difference — 99992 | | 4.99996 |
| Tan. ½ Sum oppoſite Angles = ZON | 29° 30′ 30″ | 9.75279 |
| | | 14.75275 |
| Tang. ½ difference | 29° 30′ 16″ | 9.75272 |

BNZ 59 0 46
ZBN 0 14

| | | | | |
|---|---|---|---|---|
| BNZ | 59° 0′ 46″ | 9.93312 | From the Ang. PBZ | 29° 30′ 30″ |
| BZ | 100000 | 5.00000 | Subſtract NBZ | 0 14 |
| BZN | 59° 1′ 00″ | 9.93314 | Reſts the Angle PBN | 29 30 16 |
| BN | 100004 | 5.00002 | The Compl. SBN | 150 29 44 |

4. In the Triangle BSN are known (1) BN 100004, (2) BS 1685, (3) the comprehended Angle SBN 150° 27′ 33″.

| | | | |
|---|---|---|---|
| BN 100004 | Sum | 101689 | 5.00727 |
| BS 1685 | Differen. | 98319 | 4.99264 |
| Tang. ½ Sum oppoſite Angle | | 14° 45′ 08″ | 9.42048 |
| | | | 14.41312 |
| Tang. ½ difference | | 14° 17′ 01″ | 9.40585 |

| | | | |
|---|---|---|---|
| BSN, Angle at the Sun | 29 | 02 | 09 |
| BNS, Optiq. Equation | 0 | 28 | 07 |
| Mean Anomaly | | 30° 0′ 00″ | |
| Angle at the Sun Sub. | | 29 2 09 | |
| Remains his Proſthaphæreſis, | | 57 51 | |

Exactly agreeing with the Tables in the *Scientia Stellarum*.

BSN

| | |
|---|---|
| BSN 29° 2′ 09″ | 9.68606 |
| BN 100004 | 5.00002 |
| SBN 150° 27′ 33″ | 9.69282 |
| | 14.69290 |
| SN 101564 | 5.00674 |

The ſame as in the Tables.

Here is to be noted, that when a Planet is in ♈♎♑♋, there is no Variation; but being out of the ſaid Points, it is ſubject to Variation more or leſs, and is greateſt when he is elongated 45 Degrees from the ſaid Points; and this Variation augments the Place of the Planet (♀ and ☽ excepted) in the firſt and third Quadrant of the Orbit; but in the ſecond and fourth it diminiſheth it according to the Quantity thereof, as in this Example.

After the ſame manner the *Proſthaphæreſis* of the Sun may be found in the ſecond, third, and fourth Quadrants of the Ellipſis at O, K, and M, as the Figure it ſelf demonſtrates.

## CHAP. III.

### *Of the other Primary Planets, and of their twofold Inequality.*

ALtho' the Sun (according to common Senſe) ſeemeth to be mov'd under the Plane of the Ecliptick; yet according to the moſt certain infallible Rules and beſt Demonſtrations Aſtronomical, it is the Earth that performeth this Motion about the Sun, who is ſeated in the Umblic of the Earth's Ellipſis: So that as the Earth is mov'd under the Ecliptic Orb, even ſo much the Sun appears to move on the contrary part; inſomuch that from hence we may conclude, that the Earth (or Sun, which you will) can be ſubject to no other Inequality than what ariſeth naturally from her own ſimple Motion in the Ellipſis, which is an undeniable Truth

Truth in all the primary Planets, as in reſpect of the Sun, who is ſeen from them to change his Place according to the Quantity of their Motions,

But becauſe the Earth is far diſtant from the common Node and Center of their Orbs (which is the Sun;) therefore it is that (through their different Motions and Poſition of their Orbs) they ſeem to us to be ſubject to a ſecond Inequality, which we call the *Proſthaphæreſis*, *Æquation*, or *Parallax* of the Orb, which is not eſſential in their Motions, but accidental only, being caus'd through the extraneous Point, to which their places are referr'd, whereby the Planet ſeems to us to have a different Species of Motion from the natural Motion in his own Orb, appearing at one time direct, at another time retrograde, and at ſome times again ſeeming to ſtand ſtill, and alſo to be much nearer the Earth at one time than at another, and of greater and leſſer Magnitude to the Eye; all which accidental Paſſions (as I may call them) will more fully be underſtood in the following Chapter.

## CHAP. IV.

### *To calculate the true-Place of a Planet from the Earth Trigonometrically.*

BEcauſe the places of all the Planets in their Elliptic Orbs may be obtain'd according to the Method before delivered in the Sun; therefore I ſhall here give you a Compendium of one Planet only, which, for Example, ſhall be for the Indagation of the place of *Mars*, at the time of the Obſervation of *Tycho* 1590 *Octob.* 30. at 18 Hours 15′ *Uraniburg*, when *Mars* was ſeen in 2° 57′ 20″ ♎, (at which time the place of the Sun from the Earth was in 17° 33′ 19″ ♏, his Diſtance 98796, and his mean Anomaly 11° 24′ 46″) hence his true place (according to the Solution of right-lin'd Triangles) is thus to be enquir'd.

1. In

1. In the Triangle BXH (in the former Figure) are given (1) BH 152040, (2) BX 14115, (3) BXH 168° 35′6″, hence the Angle XHB is 1° 3′ 9″, and the Angle XBH 10° 21′ 35″, whose Double 20° 43′ 10″ is the Anomaly of Variation.

2. As the *Radius* 90 Degr. to the Sine of the greateſt Variation 14′ 55″, ſo the Sine of 20° 43′ 10″, to the Sine of the Variation requir'd 5′ 17″.

| | ° | ′ | ″ |
|---|---|---|---|
| Angle XBH | 10 | 21 | 35 |
| Variation HBZ | | 5 | 17 |
| Angle XBZ | 10 | 26 | 52 |

Whoſe double 20° 53′ 44″ is the Motion of the Epicycle αZN.

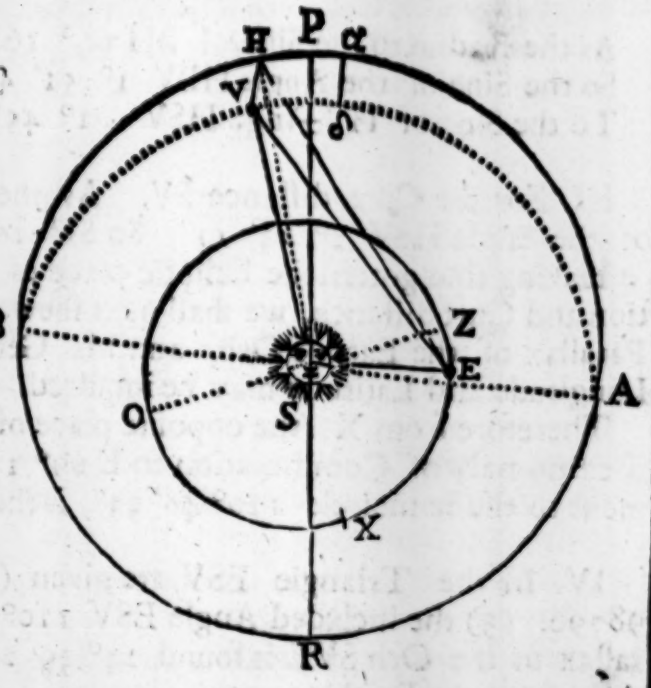
3. In the Triangle BZN we have known (1) BZ 152040, (2) 327 is ZN, (3) The Triangle PZN 159° 6′ 16″; Hence the Angle BNZ is given 20° 51′ 6″, and the Angle ZBN 2′ 38″ with the Side BN 152346; then

| | ° | ′ | ″ |
|---|---|---|---|
| From the Angle PBZ | 10 | 26 | 52 |
| Subſtract | | 2 | 38 |
| Remains the Angle SBN | 10 | 24 | 14 |
| Whoſe Complement is the Angle SBN | 169 | 35 | 46 |

4. In the Triangle BNS are given (1) BN 152346, (2) BS 14115, (3) the included Angle SBN 169° 35′ 46″; therefore by the Solution of the Triangle we find the Angle at the Sun, BSN 9° 31′ 31″, and the Diſtance of ♂ from ☉ AN 166250

| | | S. | ° | ′ | ″ |
|---|---|---|---|---|---|
| Place of the Aphelion | | 4 | 28 | 47 | 41 |
| Angle at the Sun BSN | add | | 9 | 31 | 31 |
| Heliocentrick place | | 5 | 8 | 19 | 12 |
| North Node ſubſtract | | 1 | 16 | 36 | 5 |
| Argument of Latitude | | 3 | 21 | 43 | 7 |

Next, becauſe the Longitude of a Planet in the Ecliptic differs a little from the Longitude in his own Orb: Therefore to find the Reduction (which with the Curtation in the Tables, I have wholly omitted, it being ſo ſmall a matter) and Ecliptic place, with the Curtation and Parallax of the Annal Orb, and conſequently his Geocentric place and Latitude, I ſhall premiſe the following Figure, wherein S repreſents the Sun, H the place of *Mars* in his Orb, V his place in the Ecliptic, E the place of the Earth, A the North Node of *Mars*, or Interſection of his Orb with the Ecliptic, B his South Node, A♌B a Semicircle of the Ecliptic, α ♌ the Limit of his greateſt Northern Latitude: And here you are to note, that the Planet being in A or B, hath no Latitude; but when he is in α, 'tis greateſt towards the North; ſo that all the while he is moving from A to α, his Latitude is Septentrional Aſcending, and then from α to B 'tis ſaid to be Septentrional Deſcending. The ſame alſo you are to obſerve touching his South Latitude, in the other part of his Orb BRA.




1. In the Spherical Triangle BHV (Right-angled at V) we have given (1) BH the Complement of the Argument of Inclination 68° 16′ 53″, (2) the Angle of the greateſt Inclination of *Mars* HBV 1° 51′ 04″; Then, As the Radius to the Coſine of the Angle HBV 1° 51′ 4″, So the Tang. of BH 68° 16′ 53″ to the Tang. of BV 68° 16′ 15″, the Difference is 0′ 38″, which is to be added to the place of *Mars*; becauſe the Arch AV in the Ecliptic is longer than the Arch AH in the Orbit.

| | S. | ° | ′ | ″ |
|---|---|---|---|---|
| Place of *Mars* in his Ellipsis | 5 | 8 | 19 | 12 |
| Reduction Add. | | | 0 | 38 |
| The Heliocentric-place | 5 | 8 | 19 | 50 |
| The Sun's place | 7 | 17 | 33 | 19 |
| The Anomaly of Commutation | 2 | 9 | 13 | 29 |

II. Again, in the said Triangle BHV, we are to find the Inclination of the Orb from the Plane of the Ecliptic HV.

| | | |
|---|---|---|
| As the Radius to the Sine of BH | 68° 16′ 53″ | 9.96802 |
| So the Sine of the Angle HBV | 1° 51′ 4″ | 8.50924 |
| To the Sine of HV=ang. HSV | 1° 45′ 11″ | 8.47726 |

III. For the Curt. distance SV. As the Radius to the Cosine of the Angle HSV 1° 43′ 11″, So SH 166250 to SV 166173.

Having thus gotten the Ecliptic place of *Mars*, and his Inclination and Curt distance, we shall next shew after what manner the Parallax of the Earth's Orb, and his Geocentric-place, both in Longitude and Latitude may be inquired.

Therefore from ♈ (the opposite place of ♂ from ☉) I number the Anomaly of Commutation to ♎ 69° 13′ 29″, whose Complement to the Semicircle 110° 46′ 31″, is the Angle ESV.

IV. In the Triangle ESV are given (1) SV 166173, (2) SE 98796; (3) the included Angle ESV 110° 46′ 31″, hence the Parallax of the Orb SVE is found 24° 39′ 20″, and the distance of *Mars* from the Earth 221500.

| | S | ° | ′ | ″ |
|---|---|---|---|---|
| The Heliocentric-place of *Mars* | 5 | 08 | 19 | 50 |
| Parallax of the annual Orb SVE add. | | | 24 | 39 20 |
| The Geocentric Longitude of *Mars* | 6 | 2 | 59 | 10 |

That is in 2° 59′ 10″♎, differing only from the Observation 1′ 50′ +

V.

V. In the Triangle HEV are given (1) EV 221500, (2) VH 4989; hence the Angle HEV will be 1° 17′ 25″, for

| | |
|---|---|
| As EV 221500 | 5.34537 |
| To HV 4989 | 3.69802 |
| So the Radius 90 Degr. | 10.00000 |
| To the Tang of the ang. HEV, 1°.17′25″, | 8.35265 |

Or if you work according to the Demonſtration of Biſhop *Ward*, *Lib.* I. *part* 2 *cap.* 16, you may ſay,

As the Diſtance from the Earth 221500, to the Sine of the Inclination 1° 43′ 11″, So the Diſtance from the Sun 166250, to the Sine of the Geocentric Latitude 1° 17′ 25″, as before.

## CHAP. V.

### *Obſervations and Calculations (from* SCIENTIA STELLARUM*) compared with their Difference from other Tables of good Repute amongſt us.*

ACcording to the former Theory are our Tables fram'd from the Obſervations of the noble *Tycho Brahe*, and thoſe of that Unparallel'd Obſervator Mr. *John Flamſtead*; we ſhall therefore in the next place compare the Calculations from our Tables, with the Obſervations themſelves; and likewiſe ſhew the difference from other Tables of good Repute amongſt us, and thereby prove the nearer Agreement our Tables have with the Heavens (eſpecially in this Age) than by any yet extant, whereby the following Ephemeris may the more ſafely be depended on.

#### *Obſervations of the Sun's Place.*

This following Table of Solar Obſervations of the Sun's Meridian Altitude, was made by *Tycho Brahe* at *Uraniburg*, where both

he and *Longomontanus* assert the Elevation of the Pole to be 55° 54′ 30″, with which and the several Altitudes is given the Sun's Declination, and by consequence his true place; but by reason *Tycho*'s Refractions, and those printed in my *Scientia Stellarum*, do not agree; I must then correct these several Altitudes by the Table of Refractions and Parallax there publish'd, that the Sun's true Declination, and by consequence true place, also may appear.

## EXAMPLE.

*Anno* 1583 *March* 14. *Tycho* observ'd the Sun's Meridional Altitude, which corrected by his Refractions, is 35° 22′ 30″.

| | ° | ′ | ″ |
|---|---|---|---|
| Altitude observ'd | 35 | 22 | 30 |
| To which add the Refraction taken away | | | 34 |
| Altitude of the Sun without notice of Refraction | 35 | 23 | 04 |
| Refraction Sub. as found in our Tables | | 1 | 9 |
| Remains | 35 | 21 | 55 |
| Parallax add. | | | 25 |
| Altitude correct by Parallax and Refraction | 35 | 22 | 20 |
| To which add the Elevation of the Pole | 55 | 54 | 30 |
| The Sum subtracting Rad. 90 gr. leaves ☉ Declin. | 1 | 16 | 50 |

Then say,

| | | ° | ′ | ″ | |
|---|---|---|---|---|---|
| As the S. of the Sun's greatest Declination | | 23 | 29 | 15 | 9.600481 |
| To the S. of his present Declination | | 1 | 16 | 50 | 8.349239 |
| So the Radius 90 degr. | s | | | | 10.000000 |
| To the S. of the Sun's place | ♈ | 3° | 12′ | 52″ | 8.748758 |

Which we call, The place of the Sun observ'd.

These

## These Solar Observations compar'd with *Scientia Stellarum*.

| *Anno Dom.* March. | | *Altitude ⊙ observ'd.* ° ′ ″ | *Altitude ⊙ correct.* ° ′ ″ | *Declination.* ° ′ ″ | *Sun's Place observ'd.* ☌ ° ′ ″ | *Sun's Place by the Tables.* ☌ ° ′ ″ | *Difference.* ′ ″ |
|---|---|---|---|---|---|---|---|
| 1583 | 14 | 35 22 30 | 35 22 20 | 1 16 50 N | ♈ 3 12 52 | ♈ 3 12 43 | 0 9 |
| 1584 | 11 | 34 29 55 | 34 29 49 | 0 24 19 N | ♈ 1 1 02 | ♈ 0 59 48 | 0 14 |
| 1585 | 13 | 35 10 45 | 35 10 33 | 1 5 3 N | ♈ 2 43 18 | ♈ 2 43 00 | 0 18 |
| 1586 | 11 | 34 18 30 | 34 18 26 | 0 12 56 N | ♈ 0 32 36 | ♈ 0 31 04 | 1 32 |
| 1587 | 12 | 34 36 15 | 34 36 07 | 0 30 37 N | ♈ 1 16 50 | ♈ 1 15 58 | 0 52 |
| 1588 | 12 | 34 53 30 | 34 53 21 | 0 47 51 N | ♈ 2 0 01 | ♈ 2 0 53 | 0 52 |
| 1589 | 11 | 34 24 55 | 34 24 58 | 0 19 20 N | ♈ 0 48 32 | ♈ 0 47 13 | 1 19 |
| 1590 | 11 | 34 18 35 | 34 18 34 | 0 13 4 N | ♈ 0 32 50 | ♈ 0 32 50 | 0 00 |
| 1593 | 10 | 34 1 30 | 34 1 28 | 0 4 2 S | ♓ 29 49 54 | ♓ 29 49 40 | 0 14 |
| 1594 | 10 | 33 55 20 | 33 55 18 | 0 10 10 S | ♓ 29 34 29 | ♓ 29 35 17 | 0 48 |
| 1596 | 11 | 34 30 45 | 34 30 39 | 0 25 10 N | ♈ 1 3 10 | ♈ 1 5 11 | 2 1 |
| 1597 | 10 | 34 2 20 | 34 2 18 | 0 3 12 S | ♓ 29 52 00 | ♓ 29 51 28 | 0 32 |

| *Anno* | *Sept.* | ° ′ ″ | ° ′ ″ | ° ′ ″ | ☌ ° ′ ″ | ☌ ° ′ ″ | ′ ″ |
|---|---|---|---|---|---|---|---|
| 1583 | 13 | 34 13 20 | 34 13 16 | 0 7 39 N | ♍ 29 40 58 | ♍ 29 40 39 | 0 19 |
| 1584 | 12 | 34 18 55 | 34 18 51 | 0 13 21 N | ♍ 29 26 32 | ♍ 29 26 20 | 0 12 |
| 1585 | 10 | 35 11 40 | 35 11 30 | 1 6 00 N | ♍ 27 14 20 | ♍ 27 14 14 | 0 6 |
| 1586 | 13 | 34 7 00 | 34 6 57 | 0 1 27 N | ♍ 29 56 30 | ♍ 29 56 45 | 0 15 |
| 1587 | 12 | 34 37 00 | 34 36 53 | 0 31 23 N | ♍ 28 41 15 | ♍ 28 43 28 | 2 13 |
| 1588 | 12 | 34 18 20 | 34 18 16 | 0 12 16 N | ♍ 29 28 00 | ♍ 29 28 9 | 0 9 |
| 1589 | 9 | 35 35 00 | 35 34 49 | 1 29 19 N | ♍ 26 15 43 | ♍ 26 17 10 | 1 27 |
| 1590 | 12 | 34 30 15 | 34 30 09 | 0 24 39 N | ♍ 28 58 8 | ♍ 28 59 35 | 1 27 |
| 1592 | 10 | 35 5 05 | 35 4 55 | 0 59 25 N | ♍ 27 30 51 | ♍ 27 32 5 | 1 14 |
| 1594 | 13 | 34 6 20 | 34 6 17 | 0 00 47 N | ♍ 29 58 5 | ♎ 0 00 21 | 2 16 |
| 1596 | 14 | 33 30 10 | 33 30 12 | 0 35 18 S | ♎ 1 28 30 | ♎ 1 29 48 | 1 18 |

*Obser.*

## *Obſervations of* Saturn.

In this following Table are 9 Obſervations made by *Tycho Brahe*, both in Longitude and Latitude; the times whereof are reduced to the Meridian of *London*, compar'd with the Tables in *Scientia Stellarum*, and in *Aſtronomia Carolina*.

### From *Scientia Stellarum*.

| *Time at* LONDON. | | | | | ☉ *Place by Tables.* | *Longit.* ♄ *obſerv.* | *Latit.* ♄ *obſerv.* | | *Longit* ♄ *by Tables.* | *Lat.* ♄ *by Tab.* | *Diff. Lon.* | *Diff. Lat.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y | M | d | h | ′ | ♑ ° ′ ″ | ♑ ° ′ | ° ′ | | ♑ ° ′ ″ | ° ′ ″ | ′ ″ | ′ ″ |
| 1590 | *Feb.* | 8 | 7 | 8 | ♒ 29 57 24 | ♊ 7 32 | 1 30 | M | ♊ 7 30 13 | 1 31 49 | 1 47 | 1 49 |
| 1590 | *Sep.* | 7 | 11 | 8 | ♍ 24 34 40 | ♊ 28 6 | 1 11 | M | ♊ 28 5 23 | 1 12 10 | 0 57 | 1 10 |
| 1591 | *Dec.* | 9 | 11 | 58 | ♐ 27 42 11 | ♋ 10 21 | 0 33 | M | ♋ 10 18 47 | 0 33 15 | 2 13 | 0 15 |
| 1591 | *Mar.* | 17 | 6 | 38 | ♈ 6 32 20 | ♊ 22 43 | 0 56 | M | ♊ 22 40 46 | 0 54 38 | 2 14 | 1 22 |
| 1594 | *Dec.* | 10 | 6 | 58 | ♐ 28 47 13 | ♌ 24 30 | 1 18 | B | ♌ 24 28 4 | 1 17 51 | 1 56 | 0 9 |
| 1595 | *Nov.* | 25 | 16 | 8 | ♐ 13 39 32 | ♍ 7 55 | 1 42 | B | ♍ 7 56 53 | 1 41 16 | 0 44 | 0 54 |
| 1596 | *May* | 5 | 8 | 8 | ♉ 25 0 26 | ♍ 1 25 | *not obſer.* | | ♍ 1 22 32 | 1 52 10 | 2 28 | 0 0 |
| 1600 | *Jan.* | 25 | 15 | 38 | ♒ 15 45 18 | ♎ 28 31 | 2 37 | B | ♎ 28 30 55 | 2 34 46 | 0 52 | 0 14 |
| 1600 | *Feb.* | 11 | 15 | 8 | ♓ 2 52 37 | ♎ 28 19 | 2 43 | B | ♎ 28 18 59 | 2 40 17 | 0 12 | 0 43 |

### From *Aſtronomia Carolina*.

| *Time at* LONDON. | | | | | ☉ *Place by Tables.* | *Longit.* ♄ *obſerv.* | *Latit* ♄ *obſerv.* | | *Longit.* ♄ *by Tables.* | *Lat.* ♄ *by Tab.* | *Diff. Lon.* | *Diff. Lat.* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y | M | d | h | ′ | ♑ ° ′ ″ | ♑ ° ′ | ° ′ | | ♑ ° ′ ″ | ° ′ ″ | ′ ″ | ′ ″ |
| 1590 | *Feb.* | 8 | 7 | 8 | ♒ 29 57 20 | ♊ 7 32 | 1 30 | M | ♊ 7 31 15 | 1 30 22 | 0 45 | 0 22 |
| 1590 | *Sept.* | 7 | 11 | 8 | ♍ 24 32 34 | ♊ 28 6 | 1 11 | M | ♊ 28 10 0 | 1 10 43 | 4 0 | 0 17 |
| 1591 | *Dec.* | 9 | 11 | 58 | ♐ 27 40 42 | ♋ 10 21 | 0 33 | M | ♋ 10 20 58 | 0 32 9 | 0 2 | 0 51 |
| 1591 | *Mar.* | 17 | 6 | 38 | ♈ 6 33 10 | ♊ 22 43 | 0 56 | M | ♊ 22 44 31 | 0 52 16 | 1 31 | 3 44 |
| 1594 | *Dec.* | 10 | 6 | 58 | ♐ 28 45 44 | ♌ 24 30 | 1 18 | B | ♌ 24 28 47 | 1 18 42 | 1 13 | 0 42 |
| 1595 | *Nov.* | 25 | 16 | 8 | ♐ 13 36 52 | ♍ 7 55 | 1 42 | B | ♍ 7 56 50 | 1 41 47 | 1 56 | 0 13 |
| 1596 | *May* | 5 | 8 | 8 | ♉ 25 0 54 | ♍ 1 25 | *not obſer.* | | ♍ 1 22 40 | 1 54 34 | 2 20 | 0 9 |
| 1600 | *Jan.* | 25 | 15 | 38 | ♒ 15 45 0 | ♎ 28 31 | 2 37 | B | ♎ 28 32 01 | 2 35 12 | 1 1 | 1 48 |
| 1600 | *Feb.* | 11 | 15 | 8 | ♓ 2 52 42 | ♎ 28 19 | 2 43 | B | ♎ 28 19 44 | 2 39 28 | 0 44 | 3 32 |

Here

Here the Reader may see we are as near the Observations of *Tycho* from my Tables as those of Mr. *Street*'s, which Observations, with others of this nature, he grounded his Theory and Tables upon: In the next place I shall compare both my Tables of *Saturn*'s Place, and Mr. *Street*'s with the Observations made by (that Excellent Astronomer) Mr. *John Flamsted* at *Greenwich*, which are more exact and correct than those of *Tycho*'s for the Reason given in my *Scientia Stellarum*, Chap. 4. p. 9. and shew the difference from both Mr. *Street*'s Tables and mine, that the World may see, that those so much applauded Tables in his *Astronomia Carolina*, are not so exact as it might be wish'd they were; nor yet the best extant, as some would have them, as I shall here demonstrate.

From *Scientia Stellarum.*

| *Time at* LON-DON. | ☉ *Place by Tables.* | *Longit.* ♄ *Observat.* | *Latit.* ♄ *Obser.* | *Latit.* ♄ *by Tables.* | *Latit.* ♄ *by Tables.* | *Diff. Lon* | *Diff. Lat* |
|---|---|---|---|---|---|---|---|
| Y M d h ′ | S ° ′ ″ | S ° ′ ″ | ° ′ ″ | S ° ′ ″ | ° ′ ″ | ′ ″ | ′ ″ |
| 1676 *No.* 6 10 20 | ♏25 27 27 | ♉22 4 40 | 2 25 20 M | ♉22 14 48 | 2 24 44 M | 10 8 | 0 36 |
| 1677 *No.* 18 13 40 | ♐ 7 31 02 | ♊ 6 20 10 | 1 58 27 M | ♊ 6 29 54 | 1 58 51 M | 9 44 | 0 24 |
| 1678 *De.* 2 13 40 | ♐21 30 57 | ♊20 33 32 | 1 24 5 M | ♊20 43 38 | 1 25 47 M | 10 6 | 1 42 |
| 1679 *De.* 18 16 2 | ♑ 7 40 59 | ♋ 4 40 15 | 0 44 48 M | ♋ 4 50 10 | 0 43 46 M | 9 55 | 1 2 |
| 1680 *De* 29 11 8 | ♑19 27 58 | ♋19 5 00 | 0 5 15 M | ♋19 14 36 | 0 6 7 M | 9 36 | 0 42 |
| 1682 *Ja.* 8 14 11 | ♏29 32 3 | ♌ 3 27 45 | 0 37 10 M | ♌ 3 37 46 | 0 35 2 B | 10 1 | 2 8 |
| 1683 *Ja.* 26 9 40 | ♒17 22 06 | ♌17 58 45 | 1 10 48 M | ♌17 9 04 | 1 13 5 B | 10 19 | 2 17 |
| 1689 *De.* 30 19 00 | ♑20 37 44 | ♍16 5 37 | 2 15 54 M | ♍17 4 19 | 2 15 54 B | 1 18 | 0 0 |
| 1690 *Ap.* 13 12 51 | ♉ 4 11 42 | ♍17 24 12 | 2 32 32 M | ♍16 25 59 | 2 32 51 B | 1 47 | 0 19 |
| 1690 *Ap.* 25 12 01 | ♉15 46 39 | ♍15 31 40 | 2 32 45 M | ♍15 32 72 | 2 32 20 B | 0 27 | 0 25 |
| 1690 *Ap.* 29 11 45 | ♉19 37 27 | ♍15 14 20 | 2 33 5 M | ♍15 14 72 | 2 32 47 B | 0 13 | 0 18 |

From

## From *Aſtronomia Carolina.*

| *Time at* LON. DON. | ☉ *Place by Tables.* | *Longit.* ♄ *Obſervat.* | *Latit.* ♄ *Obſer.* | *Longit.* ♄ *by Tables.* | *Lat.* ♄ *by Tab.* | *Diff. Lon.* | *Diff. Lat.* |
|---|---|---|---|---|---|---|---|
| Y M d h ′ | S ° ′ ″ | S ° ′ ″ | ° ′ ″ | S ° ′ ″ | ° ′ ″ | ″ | ′ ″ |
| 1676 *No.* 6 10 20 | ♏ 25 26 11 | ♉ 22 44 | 2 25 20 M | ♉ 22 31 30 | 2 23 10 | 26 50 | 2 10 |
| 1677 *No.* 18 13 40 | ♐ 7 30 00 | ♊ 6 20 10 | 1 58 27 M | ♊ 6 47 01 | 1 57 37 | 26 51 | 0 50 |
| 1678 *De.* 2 13 40 | ♐ 21 30 09 | ♊ 20 33 32 | 1 24 5 M | ♊ 21 1 25 | 1 24 22 | 27 53 | 0 17 |
| 1679 *De.* 18 16 02 | ♑ 7 40 39 | ♋ 4 40 15 | 9 44 48 M | ♋ 5 7 25 | 0 45 43 | 27 10 | 0 55 |
| 1680 *De.* 29 11 08 | ♑ 19 27 53 | ♋ 19 5 00 | 0 5 15 M | ♋ 19 30 59 | 0 4 53 | 25 59 | 0 22 |
| 1682 *Ja.* 8 14 11 | ♑ 9 32 08 | ♌ 3 27 45 | 0 37 10 B | ♌ 3 53 13 | 0 35 39 | 25 28 | 1 31 |
| 1683 *Ja.* 26 9 40 | ♒ 17 22 27 | ♌ 16 58 45 | 1 10 48 B | ♌ 17 23 31 | 1 22 57 | 24 46 | 12 9 |
| 1689 *De.* 30 19 00 | ♑ 20 37 45 | ♍ 17 5 37 | 2 15 54 B | ♍ 17 10 49 | 2 14 48 | 5 12 | 1 6 |
| 1690 *Ap.* 13 12 51 | ♉ 4 12 14 | ♍ 16 24 12 | 2 32 32 B | ♍ 16 32 09 | 2 32 09 | 7 57 | 0 23 |
| 1690 *Ap.* 25 12 01 | ♉ 15 46 56 | ♍ 15 31 40 | 2 32 45 B | ♍ 15 38 57 | 2 32 21 | 7 17 | 0 24 |
| 1690 *Ap.* 29 11 45 | ♉ 19 37 39 | ♍ 15 14 20 | 2 33 5 B | ♍ 15 20 59 | 2 31 58 | 6 39 | 1 7 |

In theſe laſt Eleven Obſervations of *Saturn*'s place, the Reader may ſee that the *Caroline* Tables do not ſolve the *Phœnomena* nearly ſo well as thoſe in *Scientia Stellarum*; neither will it happen otherwiſe in *Jupiter*'s place, as the following *Synopſis* will make plainly appear.

## *Twenty Obſervations of* Jupiter, *compar'd with Calculations from* Scientia Stellarum *and* Aſtronomia Carolina.

HERE alſo follow 20 Obſervations, compar'd with Mr. *Street*'s Tables and mine: The firſt Ten were made by *Tycho Brahe*, *Longomontanus*, and *Bullialdus*; and the Ten laſt were made at the Obſervatory by Mr. *Flamſtead*.

From

## From *Scientia Stellarum.*

| *Time at* LONDON. | | | | *Longit.* ♃ *observ.* | | | *Latit.* ♃ *observ.* | | | *Longit.* ♃ *by Tables* | | | | *Lat.* ♃ *by Tab* | | | *Dif Lon.* | | *Dif. Lat.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y. | M. | d. | h. | ☉ | ° | ′ | ″ | ° | ′ | ″ | ☉ | ° | ′ | ″ | ° | ′ | ″ | ′ | ″ | ′ | ″ |
| 1587 | *Jan.* | 14 | 7 | ♋ | 7 | 19 | 00 | 0 | 8 | 00 B | ♋ | 7 | 21 | 29 | 0 | 9 | 24 | 2 | 29 | 1 | 24 |
| 1591 | *Jan.* | 29 | 16 | ♏ | 17 | 9 | 33 | 1 | 12 | 00 B | ♏ | 17 | 11 | 43 | 1 | 11 | 56 | 2 | 10 | 0 | 4 |
| 1593 | *Sep.* | 28 | 7 | ♍ | 13 | 56 | 00 | 0 | 25 | 00 M | ♍ | 13 | 55 | 19 | 0 | 25 | 51 | 0 | 41 | 0 | 51 |
| 1597 | *Sep.* | 13 | 14 | ♊ | 16 | 9 | 00 | 0 | 45 | 00 M | ♊ | 16 | 5 | 00 | 0 | 45 | 52 | 4 | 0 | 0 | 52 |
| 1634 | *Apr.* | 2 | 8 | 22 | ♊ | 25 | 53 | 00 | 0 | 4 | 00 M | ♊ | 25 | 54 | 11 | 0 | 1 | 50 | 1 | 11 | 2 | 10 |
| 1634 | *Nov.* | 24 | 10 | 0 | ♌ | 3 | 36 | 00 | 0 | 14 | 00 B | ♌ | 3 | 36 | 13 | 0 | 28 | 15 | 0 | 13 | 14 | 15 |
| 1637 | *July* | 6 | 9 | 00 | ♏ | 29 | 36 | 00 | 1 | 18 | 00 B | ♐ | 29 | 40 | 7 | 1 | 16 | 57 | 4 | 7 | 1 | 3 |
| 1639 | *Aug.* | 21 | 7 | 52 | ♏ | 28 | 10 | 00 | 0 | 41 | 00 B | ♏ | 28 | 15 | 2 | 0 | 38 | 21 | 5 | 2 | 2 | 39 |
| 1653 | *Aug.* | 21 | 10 | 40 | ♒ | 8 | 57 | 00 | 0 | 59 | 00 M | ♒ | 8 | 56 | 51 | 1 | 0 | 8 | 0 | 9 | 1 | 8 |
| 1653 | *Oct.* | 23 | 8 | 50 | ♒ | 8 | 55 | 00 | 0 | 57 | 00 M | ♒ | 8 | 54 | 21 | 0 | 56 | 45 | 0 | 39 | 0 | 15 |
| 1673 | *Mar.* | 20 | 8 | 58 | ♎ | 13 | 38 | 47 | 1 | 36 | 42 B | ♎ | 13 | 37 | 17 | 1 | 39 | 21 | 1 | 30 | 2 | 39 |
| 1679 | *Oct.* | 18 | 7 | 40 | ♉ | 5 | 47 | 5 | 1 | 27 | 30 M | ♉ | 5 | 46 | 28 | 1 | 28 | 18 | 0 | 37 | 0 | 48 |
| 1683 | *Jan.* | 26 | 9 | 31 | ♌ | 17 | 9 | 00 | 1 | 4 | 22 B | ♌ | 17 | 7 | 47 | 1 | 4 | 49 | 1 | 13 | 0 | 27 |
| 1684 | *Feb.* | 27 | 9 | 10 | ♍ | 17 | 30 | 40 | 1 | 31 | 21 B | ♍ | 17 | 28 | 16 | 1 | 34 | 17 | 2 | 24 | 2 | 56 |
| 1685 | *Mar.* | 27 | 11 | 10 | ♎ | 17 | 39 | 20 | *Not observ.* | | | ♎ | 17 | 35 | 15 | 1 | 38 | 20 | 4 | 5 | 0 | 0 |
| 1686 | *Apr.* | 30 | 13 | 35 | ♏ | 17 | 31 | 31 | 1 | 12 | 30 B | ♏ | 17 | 29 | 51 | 1 | 16 | 26 | 1 | 40 | 3 | 56 |
| 1687 | *May* | 30 | 12 | 31 | ♐ | 19 | 13 | 0 | 0 | 30 | 20 B | ♐ | 19 | 14 | 42 | 0 | 31 | 37 | 1 | 42 | 1 | 17 |
| 1688 | *July* | 4 | 9 | 49 | ♍ | 22 | 14 | 10 | 0 | 27 | 4 M | ♍ | 22 | 17 | 14 | 0 | 26 | 41 | 3 | 4 | 0 | 23 |
| 1689 | *July* | 7 | 15 | 00 | ♓ | 1 | 15 | 26 | *Not observ.* | | | ♓ | 1 | 16 | 48 | 1 | 12 | 40 | 1 | 22 | 0 | 0 |
| 1690 | *May* | 11 | 20 | 13 | ♈ | 2 | 29 | 6 | 1 | 9 | 30 M | ♈ | 2 | 28 | 12 | 1 | 12 | 40 | 0 | 54 | 3 | 10 |

## From *Astronomia Caro'ina.*

| *Time at* LON. DON. | *Longit.* ♃ *observ.* | *Latit.* ♃ *observ.* | *Longit.* ♃ *by Tables.* | *Lat.* ♃ *by Tab.* | *Dif. Lon.* | *Dif. Lat.* |
|---|---|---|---|---|---|---|
| Y. M. d. h. ′ | ♋ ° ′ ″ | ° ′ ″ | ♋ ° ′ ″ | ° ′ ″ | ′ ″ | ′ ″ |
| 1587 *Jan.* 14 7 8 | ♋ 7 19 0 | 0 8 0 B | ♋ 7 19 22 | 0 11 29 | 0 22 | 3 29 |
| 1591 *Jan.* 29 16 00 | ♌ 17 9 33 | 1 12 0 B | ♌ 17 10 29 | 1 10 12 | 0 56 | 1 48 |
| 1593 *Sep.* 28 7 8 | ♍ 13 56 0 | 0 25 0 M | ♍ 13 52 58 | 0 27 13 | 3 2 | 2 13 |
| 1597 *Sep.* 13 14 10 | ♎ 16 9 0 | 0 45 0 M | ♎ 16 11 54 | 0 43 25 | 2 54 | 1 35 |
| 1634 *Apr.* 2 8 22 | ♎ 25 53 0 | 0 4 0 M | ♎ 25 52 8 | 0 0 15 | 0 52 | 3 45 |
| 1634 *Nov.* 24 10 0 | ♏ 3 36 0 | 0 14 0 B | ♏ 3 34 32 | 0 30 14 | 1 28 | 16 14 |
| 1637 *July* 6 9 0 | ♍ 29 36 0 | 1 18 0 B | ♍ 29 26 53 | 1 15 59 | 9 7 | 2 55 |
| 1639 *Aug.* 21 7 52 | ♌ 28 10 0 | 0 41 0 B | ♌ 28 12 9 | 0 41 35 | 2 9 | 0 35 |
| 1653 *Aug.* 21 10 40 | ♒ 8 57 0 | 0 59 0 M | ♒ 8 54 22 | 1 0 17 | 2 38 | 1 17 |
| 1653 *Oct.* 23 8 50 | ♒ 8 55 0 | 0 57 0 M | ♒ 8 48 12 | 0 56 9 | 6 48 | 0 51 |
| 1673 *Mar.* 20 8 58 | ♎ 13 38 47 | 1 36 42 B | ♎ 13 27 17 | 1 37 26 | 11 30 | 0 44 |
| 1679 *Oct.* 18 7 40 | ♉ 5 47 5 | 1 27 30 M | ♉ 5 36 53 | 1 16 50 | 10 12 | 10 40 |
| 1683 *Jan.* 26 9 31 | ♏ 17 9 0 | 1 4 22 B | ♏ 16 57 37 | 1 0 0 | 11 23 | 4 22 |
| 1684 *Feb.* 27 9 10 | ♍ 17 30 40 | 1 31 21 P | ♍ 17 20 57 | 1 30 00 | 9 43 | 1 21 |
| 1685 *Mar.* 27 11 10 | ♎ 17 39 20 | *Not observ.* | ♎ 17 23 51 | 1 36 27 | 15 29 | 0 0 |
| 1686 *Apr.* 30 13 35 | ♌ 17 31 31 | 1 12 30 B | ♌ 17 18 31 | 1 14 5 | 13 0 | 1 35 |
| 1687 *May* 30 12 31 | ♐ 19 13 0 | 0 30 20 B | ♐ 19 5 41 | 0 23 10 | 7 19 | 7 10 |
| 1688 *July* 4 9 49 | ♍ 22 14 10 | 0 27 4 M | ♍ 22 11 33 | 0 26 50 | 2 37 | 0 14 |
| 1689 *July* 7 15 0 | ♓ 1 15 26 | *Not observ.* | ♓ 1 17 6 | 1 11 35 | 1 40 | 0 0 |
| 1690 *May* 11 20 13 | ♈ 2 29 6 | 1 9 30 M | ♈ 2 31 3 | 1 11 7 | 1 57 | 1 37 |

## *Twenty Observations of* Mars

Made by *Tycho*, compar'd with Calculations from *Scientia Stellarum* and *Astronomia Carolina*.

| *Time at* LONDON. | | | | *Longit. ☌ observ.* | *Longit. ☌ Scien. Stell.* | *Longit. ☌ Astr. Carol.* | *Differ. Wing.* | *Differ. Street.* |
|---|---|---|---|---|---|---|---|---|
| Y. | M. | d. | h. | ′ | ♌ ° ′ ″ | ♌ ° ′ ″ | ♌ ° ′ ″ | ′ ″ | ′ ″ |
| 1585 | *May* | 18 | 9 | 38 | ♌ 0 50 45 | ♌ 0 53 42 | ♌ 0 53 47 | 2 57 | 3 2 |
| 1586 | *Oct.* | 21 | 17 | 8 | ♌ 0 7 00 | ♌ 0 7 5 | ♌ 0 4 58 | 0 5 | 2 2 |
| 1586 | *Nov.* | 30 | 18 | 38 | ♌ 20 4 30 | ♌ 20 5 32 | ♌ 20 4 41 | 1 2 | 0 11 |
| 1586 | *Dec.* | 26 | 15 | 8 | ♌ 29 42 40 | ♌ 29 44 22 | ♌ 29 43 40 | 1 42 | 1 0 |
| 1587 | *Apr.* | 21 | 8 | 38 | ♌ 15 48 20 | ♌ 15 50 41 | ♌ 15 50 33 | 2 21 | 2 13 |
| 1588 | *Dec.* | 4 | 17 | 8 | ♎ 9 23 0 | ♎ 9 23 55 | ♎ 9 24 56 | 0 56 | 1 56 |
| 1588 | *Dec.* | 14 | 17 | 18 | ♎ 14 35 40 | ♎ 14 39 07 | ♎ 14 38 44 | 3 27 | 3 4 |
| 1589 | *Mar.* | 8 | 15 | 32 | ♏ 12 16 50 | ♏ 12 20 7 | ♏ 12 20 33 | 3 17 | 3 43 |
| 1589 | *Sep.* | 15 | 6 | 23 | ♐ 16 44 30 | ♐ 16 45 6 | ♐ 16 44 16 | 0 56 | 0 14 |
| 1589 | *Dec.* | 3 | 4 | 47 | ♒ 15 25 33 | ♒ 15 24 24 | ♒ 15 22 46 | 1 9 | 2 47 |
| 1590 | *Mar.* | 4 | 6 | 18 | ♈ 24 22 56 | ♈ 24 19 27 | ♈ 24 18 50 | 3 29 | 4 6 |
| 1591 | *Feb.* | 18 | 16 | 38 | ♐ 7 34 20 | ♐ 7 35 9 | ♐ 7 33 43 | 0 49 | 0 37 |
| 1591 | *June* | 10 | 10 | 58 | ♐ 26 2 36 | ♐ 26 4 40 | ♐ 25 58 39 | 2 4 | 3 57 |
| 1591 | *June* | 28 | 9 | 32 | ♐ 21 10 0 | ♐ 21 10 23 | ♐ 21 8 52 | 0 23 | 1 8 |
| 1591 | *Oct.* | 16 | 5 | 36 | ♒ 1 27 18 | ♒ 1 26 33 | ♒ 1 25 29 | 0 45 | 1 49 |
| 1592 | *Jan.* | 23 | 6 | 28 | ♈ 11 32 44 | ♈ 11 29 40 | ♈ 11 29 29 | 3 4 | 3 15 |
| 1595 | *Sep.* | 17 | 15 | 53 | ♉ 26 7 12 | ♉ 26 6 13 | ♉ 26 4 5 | 0 59 | 3 7 |
| 1595 | *Oct.* | 27 | 11 | 28 | ♉ 18 51 15 | ♉ 18 47 28 | ♉ 18 47 32 | 3 47 | 3 43 |
| 1596 | *Mar.* | 9 | 6 | 48 | ♊ 15 49 12 | ♊ 15 48 59 | ♊ 15 46 0 | 0 13 | 3 12 |
| 1600 | *Mar.* | 6 | 5 | 26 | ♋ 29 18 30 | ♋ 29 22 29 | ♋ 29 15 35 | 3 59 | 2 37 |

Here follows an Obſervation of the Longitude of *Mars* made by Mr. *Flamſteed*, which at this time I ſhall conclude with, as thinking I have done enough to make it appear to all unprejudic'd Artiſts, that the Tables in *Scientia Stellarum* are more conſentaneous to the Heavens than any yet extant, ſo far as I have gone, *viz.* in the *Sun*, *Saturn*, *Jupiter*, and *Mars*: As to the inferiour Planets, *Venus* and *Mercury*, they differ but little from my Uncle *V. Wing*'s, or Mr. *Street*'s; therefore ſhall not trouble either my ſelf or the Reader with them at this time.

1690 *February* the 19*th* day at 4 Ho. 59′ Mr. *Flamſteed* obſerv'd ♂ in 0° 25′ 03″ ♊.

## I. From *Scientia Stellarum.*

| *Tempus datum* | *Longitude* ♂ S | ° | ′ | ″ | *Anomaly* ♂ S | ° | ′ | ″ | *Node* ♂ S | ° | ′ | ″ | ♂ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1690 | 2 | 02 | 42 | 00 | 9 | 01 | 54 | 00 | 1 | 17 | 48 | 00 | *Node.* |
| February 19 | | 26 | 12 | 00 | | 26 | 12 | 00 | 3 | 07 | 51 | 03 | *Ecl place.* |
| 4 Ho. 59′ | | | 6 | 32 | | | 6 | 32 | 1 | 20 | 03 | 03 | *Arg Lat.* |
| Mean mot. ♂ | 2 | 29 | 00 | 32 | 9 | 28 | 12 | 32 | 520392 | | | | *Logarith.* ♂ |
| Proſthaph. Ad. | | 8 | 50 | 31 | | | | | 499656 | | | | *Logarith.* ☉ |
| Ecliptic Place | 3 | 07 | 51 | 03 | ♈ | | 979264 | | 31° | 48′ | 50″ | | *Add* 45° |
| Sun's Place | 11 | 11 | 37 | 56 | c.r. | | 936975 | | 76 | 48 | 50 | | *Sum* |
| Anom. Com. | 8 | 03 | 46 | 53 | ♈ | | 1020605 | | 58 | 6 | 34 | ½ | *Comp. Orb.* |
| Parallax. Sub. | 1 | 07 | 28 | 36 | ♈ | | 957580 | | 20 | 37 | 58 | | *Half differ.* |
| Longitude ♂ | ♊ | 0 | 22 | 27 | *Ellongation.* | | | | 78 | 44 | 32 | | ♂ ♂ ☉ |
| Difference | *Longit.* | | 2 | —36 | *Parallax of* | | | | 37 | 28 | 36 | | *Earth's Orb.* |

II. From

## II. From *Astronomia Carolina.*

| *Tempus datum.* | | *Anomaly* ☉ ♑ | ° | ′ | ″ | *Præ Æquinox.* ♑ | ° | ′ | ″ | *Anomaly* ♂ ♑ | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1681 | 6 | 13 | 33 | 20 | 0 | 28 | 40 | 00 | 11 | 20 | 13 | 12 |
| Years add. | 9 | 11 | 29 | 42 | 04 | | | 7 | 12 | 9 | 12 | 30 | 07 |
| February | | 1 | 00 | 33 | 14 | | | | 4 | | 16 | 14 | 42 |
| Days | 19 | | 18 | 43 | 36 | | | | 3 | | 9 | 57 | 24 |
| 4 Hours | 59′ | | | 12 | 17 | | | | 0 | | | 6 | 32 |
| Middle Anomaly | ☉ | 8 | 2 | 44 | 31 | 0 | 28 | 47 | 19 | 9 | 29 | 01 | 57 |
| Logarithm ♂ | | | | | 5.20438 | Heli. Long. | ♂ | | | 2 | 08 | 58 | 43 |
| Logarithm ☉ | | | | | 4.99664 | Longit. | ☉ | | | 10 | 12 | 51 | 26 |
| Tang. 58° 12′ 32″ | | | | | 10.20774 | Commutat. | | | | 8 | 3 | 52 | 43 |
| | | | | | | Comp. Cir. | | | | 3 | 26 | 7 | 17 |
| | | | | | | | ½ | | | | 58 | 3 | 38 |
| Tang. 13 12 32 | | | | | 9.37053 | Paral. Orb. Sub. | | | | 1 | 7 | 25 | 45 |
| Tang. 58 3 38 | | | | | 10.20523 | Geocent. Long. | | | | 1 | 01 | 32 | 58 |
| Tang. 20 37 52 | | | | | 9.57576 | Præce. add. Eq. | | | | | 28 | 47 | 19 |
| Sum 78 41 31 | | Elongat. ♂ à ☉ | | | | ♂ place in | | | | ♊ | 0 | 20 | 17 |
| Differ. 37 25 45 | | Parallax Orbe. | | | | Differ. from Obſerv. | | | | | | 4 | 46 |

## CHAP. VI.

*To reduce the Planets Places to any Hour and Minute of the Day, and to find the time of any Aſpect; as alſo their Ingreſs into any of the Signs, perform'd with much Eaſe by the Logiſtical Logarithms.*

LET it be required to find the Sun's Ingreſs into ♈ 1702, by inſpecting the Ephemerides in *March*, where I find the Sun enters ♈ ſometime on the 9*th* day, betwixt which day and the 10*th* day, the Sun's diurnal Motion is found 59′ 24″; then if you take the Sun's place the 9*th* day 29° 26′ 15″ ♓ from 00° 00′ 00″ ♈, you will have the diurnal Exceſs 33′ 45″: Then

See the following Work.

| | | |
|---|---|---|
| Place of the ☉ the 9*th* day at Noon | 29° 26′ 15″ | ♓ |
| Place of the ☉ the 10*th* day at Noon | 0 25 39 | ♈ |
| Sun's diurnal Motion | 59 24 | 999563 |
| Diurnal Excess | 33 45 | 975012 |
| Sun enters ♈ *March* 9th. day, at 13h. 38′ 18″ | P.M. | 975449 |

To reduce the place of a Planet to any Hour and Minute of the Day, Suppose the place of ♂ be requir'd the first day of *April* 1702, at 10 hours 25′ P.M.

*The Determination from the Logistical Logarithms.*

| | | |
|---|---|---|
| Place of ♂ the 1*st* day at Noon | 6° 9′ } | ♍ |
| Place of ♂ the 2*d* day at Noon | 6 36 } | |
| Diurnal Motion ♂ | 0 27 | 965321 |
| Time Afternoon 10h. 25′ | | 963752 |
| Gives 11′ 43″ to be added | | 929073 |
| Place of ♂ the 1*st* day at Noon | 6° 9′ 00 | ♍ |
| Add | 11 43 | |
| Place of ♂ the 1*st* day, at 10 h. 25′ is | 6 20 43 | ♍ |

*To find the time of any Aspect.*

Let it be required to find the time of an Aspect, as on the first day of *January* 1705, there happens △ of ♂ and ☽; to find the true time thereof, observe the following Work.

♂ and

| | | ☽ ☌ ′ | ♂ ′ |
|---|---|---|---|
| ♂ and ☌s place | 1 Day | 18♌58 | 25♈ 0 |
| | 2 Day | ☽ ♍47 | 25 32 |
| Moon's diurnal Motion | | 11 49 | |
| *Mars*'s diurnal Motion | | 0 32 | |
| Diurnal Exceſs | | 11 17 | |

| | ° | ′ | |
|---|---|---|---|
| ☽s place 1*ſt* day | 18 | 58 | ♌ |
| ♂s place 1*ſt* day | 25 | 0 | ♈ |
| Diſt. ☽ á △ of ♂ | 6 | 2 | |

Diſt. ☽ á △ of ♂ 6° 02′ LL 900240
Diurnal Exceſs 11 17 LL 917428
True time △ of ♂ and ☽ at 12 ho. 50′ LL 972812

## CHAP. VII.

*To find the exact time of the Planets and fixed Stars Riſing, Southing and Setting from Tables of Right and Oblique Aſcenſion in time.*

THE Eſtimate Time of a Planet or Fixed Star's Riſing, Southing, and Setting may be nearly known by their diſtance from the Sun, which being known, then

### I. *For their Southing.*

With the true place of the Star or Planet at the Eſtimate time, enter the Table of Right Aſcenſions with the Sign and Degree of the Planet or Star in reſpect of Latitude, and take out his R. A. in Hours and Minutes; then enter the Table alſo with the Sign and Degree of ☉s place, and take out his R. A. alſo; then ſubſtract the R. A. of the Sun from the R. A. of the Star or Planet (increas'd by 24 Hours, if need require) the remainder is the Hour and Minute of the Moon, Planet, or Stars coming to the South.

*EXAM-*

## *EXAMPLE.*

1702, *January* the 1*st*. day, it is required to find the Hour and Minute of the Moon's coming to the South, which by her distance from the Sun, I guess may be about 11 that Night; at which time the Moon is in 9 degr. ♋, with 2 degr. South Latitude, and the Sun in 22 degr. 20 min. ♑: Hence

| | h. | ′ |
|---|---|---|
| The R.A. of ☽ (increas'd by 24 hours) is | 30 | 39 |
| The R.A. of the ☉ is | 19 | 36 |
| Moon South at 3 min. past 11 at Night, | 11 | 03 |

### II. *For their Rising.*

Let it be required to find the true time of ♂s Rising the first day of *January* 1702, his place at the estimate time of rising, is 16 degr. 40′ ♏, with 1 degr. North Latitude; and the Sun's place 22° 40′ ♑: This being known, enter the Table of Oblique Ascensions with the Sign and Degree of ♂s place in respect of Latitude, and take out his Oblique Ascension agreeing thereto; enter the Table also with the Sign and Degree of the Sun's place, and take out his Oblique Ascension also; which substracted from the O.A. of ♂, to the Remainder add the time of Sun-rising (substracting 12 hours if it exceed 12) the Sum is the true time of his Rising.

## *EXAMPLE.*

| | h. | ′ |
|---|---|---|
| The O. A. of ♂ (24 hours added) is | 40 | 27 |
| The O. A. of the ☉ is | 21 | 45 |
| Remains | 18 | 42 |
| Time of Sun-rising add | 8 | 06 |
| Sum | 26 | 48 |
| Substract | 24 | 00 |
| Hence ♂ rises next morning at | 2 | 48 |

*Other-*

*Otherways by the Tables.*

From the O. A. of ♂ ſubſtract the R. A. of the Sun; and if the Remainder exceed 6 hours, ſubſtract 6 hours from it; and if it happen to be leſs than 6 hours, add thereto 9 hours: This Sum or Difference is the true time of the Planets riſing; as is plain by this following

*EXAMPLE.*

| | h. | ′ |
|---|---|---|
| The O. A. of ♂ (24 hours added) is | 40 | 27 |
| The R. A. of the Sun is | 19 | 39 |
| Remains | 20 | 48 |
| Subſtract | 6 | 00 |
| Time of ♂s riſing as before, | 14 | 48 |

III. *For their Setting.*

Suppoſe it be required to find the time of the Moon's ſetting the 20*th* day of *January* 1702, her place at the eſtimate time thereof is 25 degr. ♓, with 3 gr. 50′ South Latitude, and the Sun's place 11 gr. 36′ ♒; then enter the Table of Oblique Aſcenſions, with the oppoſite Sign and Degree of the Moon's place under the Latitude of a contrary Denomination, and in the meeting Angle is the Oblique Deceaſion of the Moon in Hours and Minutes; then enter the Table alſo with the oppoſite Sign and Degree of the Sun's place without Latitude, which in the Angle of meeting gives his Oblique Deceaſion alſo, which ſubſtracted from the O. D. of the Moon; and to the Remainder, add the time of Sun-ſetting that Evening, the Sum gives the time of the Moon's ſetting that Evening.

*EXAMPLE.*

| | h. | ′ |
|---|---|---|
| Oblique Decenſion ☽ | 11 | 19 |
| Oblique Decenſion ☉ | 7 | 19 |
| Difference | 4 | 00 |
| Time of Sun-ſetting add | 4 | 23 |
| Moon ſets that Evening at | 8 | 23 |

*Or otherwiſe from the ſame Tables.*

| | h. | ′ |
|---|---|---|
| O. D. of the Moon (24 hours added) is | 35 | 19 |
| R. A. of ☉ ſubſtract | 20 | 56 |
| Remains | 14 | 23 |
| Subſtract | 6 | 00 |
| Time of Moons ſetting as before | 8 | 23 |

## CHAP. VIII.

### *A Demonſtration of the Height of our Atmoſphere.*

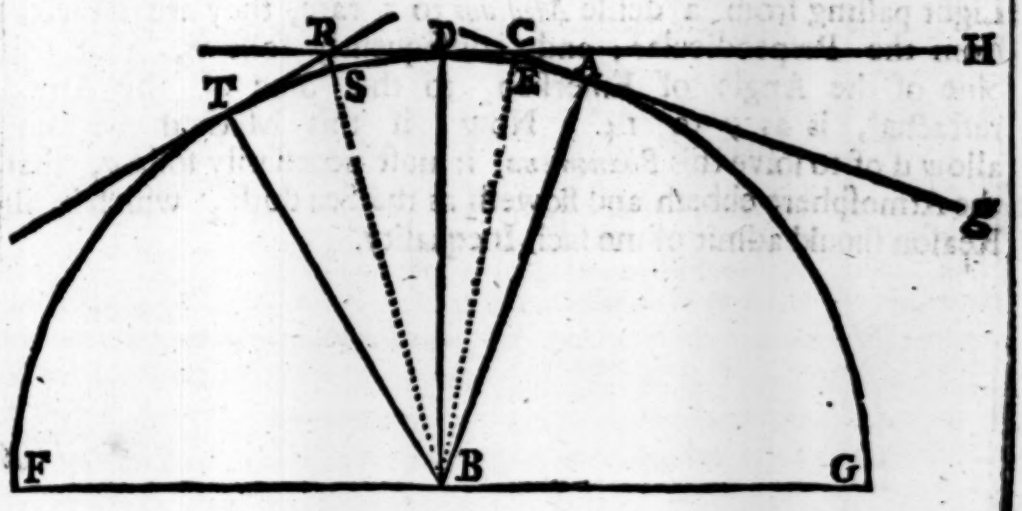
THE Height of the Atmoſphere I never yet ſee any where extant; and how to demonſtrate the Height thereof is the Buſineſs of this Chapter, which depends upon the beginning or ending of Twilight, and the Sun's Depreſſion below the Horizon at that time which is generally accounted 18 Degrees below the Horizon at the time Twilight is ſaid to begin or end, tho' I believe upon a ſtrict Examination it will not be found ſo much by 2 Degrees or thereabouts: However, I ſhall demonſtrate the Height thereof from thoſe Dimenſions that are generally agreed upon.

Let

Let the Semicircle F D G repreſent half of the Earth's Body, whereof let D be our Sub-Zenith; then will D C H be our Horozontal Line of Sun-ſetting; then let A be under the Horizon 18 Degrees; then will C A g be the Horozontal Line of Sun-ſetting to them at A. Now the Sun-beams paſſing by them at A (where he then ſets) doth touch our Horizontal Line in the Point C: Now B repreſents the Center of the Earth, and B D or B A its Semidiameter; the thing required, is the Exceſs of the Line B C above the Line B A or B D; for the gaining of which, we have given (1) the Rectangle B A C, or B D C 90 degr. (2) the Angle at B 18 degrees, (3) the Semidiameter of the Earth 3437 Miles: Therefore,

| | | |
|---|---|---|
| As the S. of the Angle at C 81° 00′ | A. C. | 0053801 |
| To the Side A B 3437 miles | | 3.5361795 |
| So the *Radius* 90 degrees | | 10.0000000 |
| To the Side 3480 miles | | 3.5415596 |

From which ſubſtract A B=B D the Earth's Semidiameter 3437 miles, and there remains C E 43 miles for the Height of the Aereal Sphere, which was the thing required.



But it is obſerv'd that the Twilight at all times of the Year does not terminate at the Sun's Depreſſion of 18 degrees below the Horizon: but in *Auguſt* the Twilight was obſerv'd to continue till Midnight, and by conſequence all Night, when the Sun is depreſt near 29 degrees below the Horizon, whereas had it gone off at 18 degrees it would have been a little after 9 at Night (the Obſervation being made the 22*d* day) and that would make the enlightned Air, or Height of the Atmoſphere much higher, as may be obſerv'd by the other part of the Figure mark'd with R S T: Thus you ſee that Twilight at all times of the year does not (at leaſt ways ſeemingly) agree to begin and end to the Sun's Depreſſion of 18 degrees below the Horizon; but, leſt this ſhould lie as a ſtumbling-Block in the way, I ſhall endeavour to remove it, and prove that neither the Twilight is at all variable, or the Height of the Atmoſphere, upon which it depends.

For, as the Sun approaches, or is farther deflected to or from our Zenith, that then the Rays of Light falling obliquely more or leſs upon our Atmoſphere, are from thence refracted or bended towards the Perpendicular of the Earth's Center: From hence it follows, That the Sine of the Angle of Incidence, to the Sine of the Angle refracted, is as 14 to 9; and on the contrary, Rays of Light paſſing from a denſe *Medium* to a rare, they are refracted from the Perpendicular, and conſequently follows, that the Sine of the Angle of Emerſion, to the Sine of the Angle refracted, is as 9 to 14. Now, if this Method be not allow'd of to ſolve this *Phænomena*, it muſt neceſſarily follow, that the Atmoſphere ebbeth and floweth as the Sea doth, which in all Reaſon ſhould admit of no ſuch Inequality.

# A CATALOGUE *of Cities and great Towns in* England, *and moſt of the eminent Places in the World.*

| Names of Cities and Places. | Lat. or Poles height ° ′ | Differ. of Merid. h. ′ |
|---|---|---|
| *Aberdeen* in *Scotland* | 58 4 | 0 7 S |
| *Alexandria* in *Egypt* | 30 58 | 2 20 A |
| *Amſterdam* in *Holland* | 52 25 | 0 20 A |
| *Antwerp* in *Brabant* | 51 12 | 0 17 A |
| *Aralia* in *Syria* | 36 0 | 3 20 A |
| *Athens* in *Greece* | 37 42 | 1 54 A |
| *Augſpurg* in *Swethl.* | 48 22 | 0 46 A |
| *Babylon* in *Chaldea* | 35 0 | 3 10 A |
| *Berwick* in *England* | 55 50 | 0 6 S |
| *Bedford* in *England* | 52 12 | 0 2 S |
| *Bethlehem* in *Judea* | 31 50 | 2 48 A |
| *Benonia* in *Italy* | 43 49 | 0 45 A |
| *Briſtol* in *England* | 51 28 | 0 12 S |
| *Brome* in *Saxony* | 53 12 | 0 38 A |
| *Calicute* in *Eaſt India* | 11 30 | 5 52 A |
| *Canterbury* in *England* | 51 25 | 0 4 A |
| *Caſſels* in *Haſſia* | 51 19 | 0 39 A |
| *Compoſtella* in *Spain* | 43 0 | 0 36 S |
| *Conimbria* in *Luſitania* | 40 15 | 0 33 S |
| *Cambridge* in *England* | 52 17 | 0 2 A |
| *Conſtantinople* in *Thrace* | 43 0 | 2 18 A |
| *Coventry* in *England* | 52 30 | 0 6 S |
| *Cheſham* in *England* | 51 42 | 0 2 S |
| *Damaſcus* in *Syria* | 34 0 | 3 18 A |
| *Derby* in *England* | 53 3 | 0 6 S |
| *Dantzick* in *Pruſſia* | 54 23 | 1 14 A |
| *Dublin* in *Ireland* | 53 11 | 0 27 S |
| *Durham* in *England* | 54 17 | 0 6 S |
| *Edinburgh* in *Scotland* | 57 6 | 0 10 S |
| *Exeter* in *England* | 50 53 | 0 14 S |
| *Frankford Odor* | 52 20 | 1 0 A |
| *Frankford Mane* | 50 2 | 0 35 A |
| *Fevenburg* in *Pruſſia* | 54 22 | 1 28 A |
| *Gloceſter* in *England* | 51 58 | 0 9 S |
| *Ter-Gooſe* in *Zeland* | 51 30 | 0 17 A |
| *Gaunt* in *Flanders* | 51 4 | 0 18 A |
| *Goo* in *India* | 16 0 | 5 50 S |
| *Grots* in *Styria* | 47 2 | 0 56 A |
| *Hafnia* in *Denmark* | 55 43 | 0 52 A |
| *Hartford* in *England* | 51 55 | 0 1 S |
| *Huntington* in *England* | 52 24 | 0 1 S |
| *Hieruſalem* | 32 10 | 3 2 A |
| *Leyden* in *Holland* | 52 7 | 0 21 A |
| *Lisbon* in *Portugal* | 38 45 | 0 34 S |
| *Leverpool* in *England* | 53 22 | 0 10 S |
| *Lincoln* in *England* | 53 15 | 0 1 S |
| *London, Engl.* Metrop. | 51 32 | 0 0 |
| *Lyons* in *France* | 45 16 | 0 20 A |
| *Leiceſter* in *England* | 52 41 | 0 4 S |
| *Madrid* in *Spain* | 40 45 | 0 9 S |
| *S. Michaels Mount Corn.* | 50 39 | 0 23 S |
| *Ments* in *Germany* | 51 31 | 0 45 A |
| *Munſter* in *Weſtphalia* | 51 54 | 0 28 A |
| *Naples* in *Italy* | 40 42 | 1 0 A |
| *Northampton* in *Engl.* | 52 18 | 0 3 S |
| *N. Luffenham* in *Engl.* | 52 40 | 0 2 S |
| *Norimburg* in *Germ.* | 49 26 | 0 48 A |
| *Norwich* in *England* | 52 44 | 0 4 A |
| *Nineuy* in *Aſſyria* | 35 50 | 3 8 A |
| *Orleance* in *France* | 48 8 | 0 0 |
| *Oxford* in *England* | 31 45 | 0 5 S |
| *Oakham* in *England* | 52 44 | 0 3 S |

*Prague*

| Names of Cities and Places. | Lat. or Poles height ° ′ | Differ. of Merid. h. ′ | | Names of Cities and Places. | Lat. or Poles height ° ′ | Differ. of Merid. h. ′ | |
|---|---|---|---|---|---|---|---|
| *Prague* in *Bohemia* | 50 0 | 0 | 58 | A | *Torge* in *Misnia* | 51 53 | 0 55 | A |
| *Paris* in *France* | 48 51 | 0 | 10 | A | *Tubing* in *Swethland* | 43 34 | 0 40 | A |
| *Quinzoy* in *China* | 40 0 | 8 | 32 | A | *Valence* in *Spain* | 39 45 | 0 7 | S |
| *Rome* in *Italy* | 42 2 | 0 | 51 | A | *Venice* | 45 15 | 0 50 | A |
| *Roterdam* in *Holland* | 51 55 | 0 | 15 | A | *Vienna* in *Austria* | 48 22 | 1 8 | A |
| *Roan* in *Normandy* | | | | | *Ulm* in *Lo. Swethl.* | 48 24 | 0 44 | A |
| *Rochel* | 45 49 | 2 | 14 | A | *Uraniburg* in *Denmark* | 55 55 | 0 52 | A |
| *Smyrna* in *Asia* | 38 50 | 2 | 14 | A | *Uppingham* in *England* | 52 40 | 0 3 | S |
| *Stockholm* in *Swethl.* | 48 50 | 1 | 3 | A | *Warwick* in *England* | 52 25 | 0 6 | S |
| *Stafford* in *England* | 52 54 | 0 | 9 | S | *Wittenburg* in *Saxony* | 51 52 | 0 54 | A |
| *Stetin* in *Germany* | 53 36 | 0 | 58 | A | *Winchester* in *England* | 51 13 | 0 8 | S |
| *Stamford* in *England* | 52 41 | 0 | 2 | S | *Worms* in *Germany* | 50 25 | 0 31 | A |
| *Syracuse* in *Sicily* | 36 50 | 1 | 5 | A | *Yarmouth* in *England* | 52 45 | 0 6 | A |
| *Shrewsbury* in *England* | 52 48 | 0 | 11 | A | *York* in *England* | 54 0 | 0 4 | S |
| *Thessalonica* | 41 32 | 1 | 47 | A | *Grantham* in *England* | 52 58 | 0 2 | S |

A TA-

A

# TABLE

OF

# Right Aſcenſions

In Time;

Being of Excellent Uſe in finding the

# SOUTHING

OF THE

# PLANETS

AND

# FIXED STARS.

*LONDON*,

Printed in the Year MDCCII.

# *A Table of Right Ascensions to 5 Degrees of North and South Latitude*

| | South Latitude ♈ | | | | | | North Latitude ♈ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 0 8 | 0 6 | 0 5 | 0 3 | 0 2 | 0 0 | 23 58 | 23 57 | 23 55 | 23 54 | 23 52 |
| 1 | 0 12 | 0 10 | 0 8 | 0 7 | 0 5 | 0 4 | 0 2 | 0 1 | 23 59 | 23 57 | 23 56 |
| 2 | 0 15 | 0 14 | 0 12 | 0 10 | 0 9 | 0 7 | 0 6 | 0 4 | 0 3 | 0 1 | 23 59 |
| 3 | 0 19 | 0 17 | 0 16 | 0 14 | 0 13 | 0 11 | 0 9 | 0 8 | 0 6 | 0 5 | 0 3 |
| 4 | 0 23 | 0 21 | 0 19 | 0 18 | 0 16 | 0 15 | 0 13 | 0 12 | 0 10 | 0 8 | 0 7 |
| 5 | 0 26 | 0 25 | 0 23 | 0 21 | 0 20 | 0 18 | 0 17 | 0 16 | 0 14 | 0 12 | 0 10 |
| 6 | 0 30 | 0 28 | 0 27 | 0 25 | 0 24 | 0 22 | 0 20 | 0 19 | 0 17 | 0 16 | 0 14 |
| 7 | 0 34 | 0 32 | 0 30 | 0 29 | 0 27 | 0 26 | 0 24 | 0 23 | 0 21 | 0 19 | 0 18 |
| 8 | 0 37 | 0 36 | 0 34 | 0 33 | 0 31 | 0 29 | 0 28 | 0 26 | 0 25 | 0 23 | 0 21 |
| 9 | 0 41 | 0 39 | 0 38 | 0 36 | 0 35 | 0 33 | 0 31 | 0 30 | 0 28 | 0 27 | 0 25 |
| 10 | 0 45 | 0 43 | 0 42 | 0 40 | 0 38 | 0 37 | 0 35 | 0 34 | 0 32 | 0 30 | 0 29 |
| 11 | 0 48 | 0 47 | 0 45 | 0 44 | 0 42 | 0 40 | 0 39 | 0 37 | 0 36 | 0 34 | 0 32 |
| 12 | 0 52 | 0 51 | 0 49 | 0 47 | 0 46 | 0 44 | 0 43 | 0 41 | 0 39 | 0 38 | 0 36 |
| 13 | 0 56 | 0 54 | 0 53 | 0 51 | 0 49 | 0 48 | 0 46 | 0 44 | 0 43 | 0 41 | 0 40 |
| 14 | 0 59 | 0 58 | 0 56 | 0 55 | 0 53 | 0 52 | 0 50 | 0 48 | 0 47 | 0 45 | 0 44 |
| 15 | 1 3 | 1 1 | 1 0 | 0 58 | 0 57 | 0 55 | 0 54 | 0 52 | 0 51 | 0 49 | 0 48 |
| 16 | 1 7 | 1 5 | 1 4 | 1 2 | 1 0 | 0 59 | 0 57 | 0 56 | 0 54 | 0 53 | 0 51 |
| 17 | 1 10 | 1 9 | 1 7 | 1 6 | 1 4 | 1 3 | 1 1 | 1 0 | 0 58 | 0 56 | 0 55 |
| 18 | 1 14 | 1 12 | 1 11 | 1 9 | 1 8 | 1 6 | 1 5 | 1 3 | 1 2 | 1 0 | 0 59 |
| 19 | 1 18 | 1 16 | 1 15 | 1 13 | 1 12 | 1 10 | 1 9 | 1 7 | 1 5 | 1 4 | 1 2 |
| 20 | 1 21 | 1 20 | 1 18 | 1 17 | 1 15 | 1 14 | 1 12 | 1 11 | 1 9 | 1 8 | 1 6 |
| 21 | 1 25 | 1 24 | 1 22 | 1 20 | 1 19 | 1 18 | 1 16 | 1 14 | 1 13 | 1 11 | 1 10 |
| 22 | 1 29 | 1 27 | 1 26 | 1 24 | 1 23 | 1 21 | 1 20 | 1 18 | 1 17 | 1 15 | 1 14 |
| 23 | 1 32 | 1 31 | 1 30 | 1 28 | 1 27 | 1 26 | 1 24 | 1 22 | 1 21 | 1 19 | 1 17 |
| 24 | 1 36 | 1 35 | 1 33 | 1 32 | 1 30 | 1 29 | 1 27 | 1 26 | 1 24 | 1 23 | 1 21 |
| 25 | 1 40 | 1 39 | 1 37 | 1 36 | 1 34 | 1 33 | 1 32 | 1 30 | 1 28 | 1 27 | 1 25 |
| 26 | 1 44 | 1 42 | 1 41 | 1 39 | 1 38 | 1 36 | 1 35 | 1 33 | 1 32 | 1 30 | 1 29 |
| 27 | 1 47 | 1 46 | 1 45 | 1 43 | 1 42 | 1 40 | 1 39 | 1 37 | 1 36 | 1 34 | 1 33 |
| 28 | 1 51 | 1 50 | 1 48 | 1 47 | 1 45 | 1 44 | 1 43 | 1 41 | 1 40 | 1 38 | 1 37 |
| 29 | 1 55 | 1 53 | 1 52 | 1 51 | 1 49 | 1 48 | 1 46 | 1 45 | 1 43 | 1 42 | 1 40 |
| 30 | 1 59 | 1 57 | 1 56 | 1 55 | 1 53 | 1 52 | 1 50 | 1 49 | 1 47 | 1 46 | 1 44 |

## *A Table of Right Aſcenſions to 5 degrees of North and South Latitude.*

| | North Latitude ♉. | | | | | | | | South Latitude ♉. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | 4 | | 3 | | 2 | | 1 | | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| gr. | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ |
| 0 | 1 | 44 | 1 | 46 | 1 | 47 | 1 | 49 | 1 | 50 | 1 | 52 | 1 | 53 | 1 | 55 | 1 | 56 | 1 | 57 | 1 | 59 |
| 1 | 1 | 48 | 1 | 50 | 1 | 51 | 1 | 53 | 1 | 54 | 1 | 55 | 1 | 56 | 1 | 58 | 1 | 59 | 2 | 1 | 2 | 2 |
| 2 | 1 | 52 | 1 | 54 | 1 | 55 | 1 | 56 | 1 | 58 | 1 | 59 | 2 | 0 | 2 | 2 | 2 | 3 | 2 | 5 | 2 | 6 |
| 3 | 1 | 56 | 1 | 58 | 1 | 59 | 2 | 0 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 6 | 2 | 7 | 2 | 9 | 2 | 10 |
| 4 | 2 | 0 | 2 | 1 | 2 | 3 | 2 | 4 | 2 | 6 | 2 | 7 | 2 | 8 | 2 | 10 | 2 | 11 | 2 | 12 | 2 | 14 |
| 5 | 2 | 4 | 2 | 5 | 2 | 7 | 2 | 8 | 2 | 9 | 2 | 11 | 2 | 12 | 2 | 14 | 2 | 15 | 2 | 16 | 2 | 18 |
| 6 | 2 | 8 | 2 | 9 | 2 | 11 | 2 | 12 | 2 | 13 | 2 | 15 | 2 | 16 | 2 | 17 | 2 | 19 | 2 | 20 | 2 | 21 |
| 7 | 2 | 12 | 2 | 13 | 2 | 14 | 2 | 16 | 2 | 17 | 2 | 19 | 2 | 20 | 2 | 21 | 2 | 23 | 2 | 24 | 2 | 25 |
| 8 | 2 | 16 | 2 | 17 | 2 | 18 | 2 | 20 | 2 | 21 | 2 | 23 | 2 | 24 | 2 | 25 | 2 | 26 | 2 | 28 | 2 | 29 |
| 9 | 2 | 20 | 2 | 21 | 2 | 22 | 2 | 24 | 2 | 25 | 2 | 26 | 2 | 28 | 2 | 29 | 2 | 30 | 2 | 32 | 2 | 33 |
| 10 | 2 | 24 | 2 | 25 | 2 | 26 | 2 | 28 | 2 | 29 | 2 | 30 | 2 | 32 | 2 | 33 | 2 | 34 | 2 | 35 | 2 | 37 |
| 11 | 2 | 28 | 2 | 29 | 2 | 30 | 2 | 32 | 2 | 33 | 2 | 34 | 2 | 35 | 2 | 37 | 2 | 38 | 2 | 39 | 2 | 41 |
| 12 | 2 | 32 | 2 | 33 | 2 | 34 | 2 | 36 | 2 | 37 | 2 | 38 | 2 | 39 | 2 | 41 | 2 | 42 | 2 | 43 | 2 | 44 |
| 13 | 2 | 36 | 2 | 37 | 2 | 38 | 2 | 40 | 2 | 41 | 2 | 42 | 2 | 43 | 2 | 45 | 2 | 46 | 2 | 47 | 2 | 48 |
| 14 | 2 | 40 | 2 | 41 | 2 | 42 | 2 | 44 | 2 | 45 | 2 | 46 | 2 | 47 | 2 | 49 | 2 | 50 | 2 | 51 | 2 | 52 |
| 15 | 2 | 44 | 2 | 45 | 2 | 46 | 2 | 48 | 2 | 49 | 2 | 50 | 2 | 51 | 2 | 53 | 2 | 54 | 2 | 55 | 2 | 56 |
| 16 | 2 | 48 | 2 | 49 | 2 | 50 | 2 | 52 | 2 | 53 | 2 | 54 | 2 | 55 | 2 | 56 | 2 | 58 | 2 | 59 | 3 | 0 |
| 17 | 2 | 52 | 2 | 53 | 2 | 54 | 2 | 56 | 2 | 57 | 2 | 58 | 2 | 59 | 3 | 0 | 3 | 2 | 3 | 3 | 3 | 4 |
| 18 | 2 | 56 | 2 | 57 | 2 | 59 | 3 | 0 | 3 | 1 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 6 | 3 | 7 | 3 | 8 |
| 19 | 3 | 0 | 3 | 1 | 3 | 3 | 3 | 4 | 3 | 5 | 3 | 6 | 3 | 7 | 3 | 8 | 3 | 10 | 3 | 11 | 3 | 12 |
| 20 | 3 | 4 | 3 | 6 | 3 | 7 | 3 | 8 | 3 | 9 | 3 | 10 | 3 | 11 | 3 | 12 | 3 | 14 | 3 | 15 | 3 | 16 |
| 21 | 3 | 8 | 3 | 10 | 3 | 11 | 3 | 12 | 3 | 13 | 3 | 14 | 3 | 15 | 3 | 16 | 3 | 18 | 3 | 19 | 3 | 20 |
| 22 | 3 | 12 | 3 | 14 | 3 | 13 | 3 | 16 | 3 | 17 | 3 | 18 | 3 | 19 | 3 | 20 | 3 | 22 | 3 | 23 | 3 | 24 |
| 23 | 3 | 17 | 3 | 18 | 3 | 19 | 3 | 20 | 3 | 21 | 3 | 22 | 3 | 23 | 3 | 24 | 3 | 26 | 3 | 27 | 3 | 28 |
| 24 | 3 | 21 | 3 | 22 | 3 | 23 | 3 | 24 | 3 | 25 | 3 | 26 | 3 | 27 | 3 | 28 | 3 | 30 | 3 | 31 | 3 | 32 |
| 25 | 3 | 25 | 3 | 26 | 3 | 27 | 3 | 28 | 3 | 29 | 3 | 30 | 3 | 31 | 3 | 33 | 3 | 34 | 3 | 35 | 3 | 36 |
| 26 | 3 | 29 | 3 | 31 | 3 | 32 | 3 | 33 | 3 | 34 | 3 | 35 | 3 | 36 | 3 | 37 | 3 | 38 | 3 | 39 | 3 | 40 |
| 27 | 3 | 34 | 3 | 35 | 3 | 36 | 3 | 37 | 3 | 38 | 3 | 39 | 3 | 40 | 3 | 41 | 3 | 42 | 3 | 43 | 3 | 44 |
| 28 | 3 | 38 | 3 | 39 | 3 | 40 | 3 | 41 | 3 | 42 | 3 | 43 | 3 | 44 | 3 | 45 | 3 | 46 | 3 | 47 | 3 | 48 |
| 29 | 3 | 42 | 3 | 43 | 3 | 44 | 3 | 45 | 3 | 46 | 3 | 47 | 3 | 48 | 3 | 49 | 3 | 50 | 3 | 51 | 3 | 52 |
| 30 | 3 | 46 | 3 | 47 | 3 | 48 | 3 | 49 | 3 | 50 | 3 | 51 | 3 | 52 | 3 | 53 | 3 | 54 | 3 | 55 | 3 | 56 |

## *A Table of Right Aſcenſions to 5 Degrees of North and South Latitude.*

| | North Latitude ♈. | | | | | | South Latitude ♈. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 | |
| gr | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | gr |
| 0 | 3 46 | 3 47 | 3 48 | 3 49 | 3 50 | 3 51 | 3 52 | 3 53 | 3 54 | 3 55 | 3 56 | 59 |
| 1 | 3 52 | 3 52 | 3 53 | 3 53 | 3 54 | 3 55 | 3 56 | 3 57 | 3 58 | 3 59 | 4 0 | 2 |
| 2 | 3 55 | 3 56 | 3 57 | 3 58 | 3 59 | 4 0 | 4 0 | 4 1 | 4 2 | 4 3 | 4 4 | 6 |
| 3 | 3 59 | 4 0 | 4 1 | 4 2 | 4 3 | 4 4 | 4 5 | 4 5 | 4 6 | 4 7 | 4 8 | 10 |
| 4 | 4 4 | 4 5 | 4 5 | 4 6 | 4 7 | 4 8 | 4 9 | 4 10 | 4 10 | 4 11 | 4 12 | 14 |
| 5 | 4 8 | 4 9 | 4 10 | 4 10 | 4 11 | 4 12 | 4 13 | 4 14 | 4 14 | 4 15 | 4 16 | 18 |
| 6 | 4 12 | 4 13 | 4 14 | 4 15 | 4 15 | 4 16 | 4 17 | 4 18 | 4 19 | 4 19 | 4 20 | 21 |
| 7 | 4 17 | 4 18 | 4 18 | 4 19 | 4 20 | 4 21 | 4 21 | 4 22 | 4 23 | 4 24 | 4 24 | 25 |
| 8 | 4 21 | 4 22 | 4 23 | 4 23 | 4 24 | 4 25 | 4 25 | 4 26 | 4 27 | 4 28 | 4 28 | 29 |
| 9 | 4 26 | 4 26 | 4 27 | 4 28 | 4 28 | 4 29 | 4 30 | 4 30 | 4 31 | 4 32 | 4 32 | 33 |
| 10 | 4 30 | 4 31 | 4 31 | 4 32 | 4 32 | 4 33 | 4 34 | 4 35 | 4 35 | 4 36 | 4 36 | 37 |
| 11 | 4 34 | 4 35 | 4 36 | 4 36 | 4 36 | 4 38 | 4 38 | 4 39 | 4 39 | 4 40 | 4 41 | 41 |
| 12 | 4 39 | 4 40 | 4 40 | 4 40 | 4 41 | 4 42 | 4 43 | 4 43 | 4 44 | 4 44 | 4 45 | 44 |
| 13 | 4 43 | 4 44 | 4 45 | 4 45 | 4 45 | 4 46 | 4 47 | 4 47 | 4 48 | 4 48 | 4 49 | 48 |
| 14 | 4 48 | 4 48 | 4 49 | 4 49 | 4 50 | 4 51 | 4 51 | 4 52 | 4 52 | 4 53 | 4 53 | 52 |
| 15 | 4 52 | 4 52 | 4 53 | 4 54 | 4 54 | 4 55 | 4 55 | 4 56 | 4 56 | 4 57 | 4 57 | 56 |
| 16 | 4 57 | 4 57 | 4 58 | 4 58 | 4 58 | 4 59 | 5 0 | 5 0 | 5 0 | 5 1 | 5 1 | 0 |
| 17 | 5 1 | 5 2 | 5 2 | 5 2 | 5 2 | 5 3 | 5 4 | 5 4 | 5 5 | 5 5 | 5 6 | 4 |
| 18 | 5 6 | 5 6 | 5 6 | 5 6 | 5 7 | 5 8 | 5 8 | 5 9 | 5 9 | 5 9 | 5 10 | 8 |
| 19 | 5 10 | 5 10 | 5 11 | 5 11 | 5 12 | 5 12 | 5 12 | 5 13 | 5 13 | 5 14 | 5 14 | 12 |
| 20 | 5 15 | 5 15 | 5 15 | 5 15 | 5 15 | 5 16 | 5 17 | 5 17 | 5 17 | 5 18 | 5 18 | 16 |
| 21 | 5 19 | 5 19 | 5 19 | 5 19 | 5 20 | 5 21 | 5 21 | 5 21 | 5 22 | 5 22 | 5 22 | 20 |
| 22 | 5 23 | 5 24 | 5 24 | 5 24 | 5 24 | 5 25 | 5 25 | 5 26 | 5 26 | 5 26 | 5 26 | 24 |
| 23 | 5 28 | 5 28 | 5 28 | 5 28 | 5 28 | 5 29 | 5 29 | 5 30 | 5 3 | 5 30 | 5 31 | 28 |
| 24 | 5 32 | 5 33 | 5 33 | 5 33 | 5 33 | 5 34 | 5 34 | 5 34 | 5 35 | 5 35 | 5 35 | 32 |
| 25 | 5 37 | 5 37 | 5 37 | 5 37 | 5 37 | 5 38 | 5 38 | 5 39 | 5 39 | 5 39 | 5 40 | 36 |
| 26 | 5 41 | 5 42 | 5 42 | 5 42 | 5 42 | 5 43 | 5 43 | 5 43 | 5 43 | 5 43 | 5 43 | 40 |
| 27 | 5 45 | 5 46 | 5 46 | 5 46 | 5 46 | 5 47 | 5 47 | 5 47 | 5 47 | 5 47 | 5 48 | 44 |
| 28 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 51 | 5 52 | 5 52 | 5 52 | 5 52 | 5 53 | 48 |
| 29 | 5 54 | 5 54 | 5 54 | 5 54 | 5 55 | 5 56 | 5 56 | 5 56 | 5 56 | 5 56 | 5 56 | 52 |
| 30 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 5 0 | 6 0 | 56 |

## *A Table of Right Aſcenſions to 5 Degrees of North and South Latitude.*

| | North Latitude ♋. | | | | | | | | | | South Latitude ♋. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | 4 | | 3 | | 2 | | 1 | | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| gr. | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ |
| ○ | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 |
| 1 | 6 | 5 | 6 | 5 | 6 | 4 | 6 | 4 | 6 | 4 | 6 | 4 | 6 | 4 | 6 | 4 | 6 | 4 | 6 | 4 | 6 | 4 |
| 2 | 6 | 9 | 6 | 9 | 6 | 9 | 6 | 9 | 6 | 9 | 6 | 8 | 6 | 9 | 6 | 9 | 6 | 9 | 6 | 9 | 6 | 8 |
| 3 | 6 | 14 | 6 | 14 | 6 | 13 | 6 | 13 | 6 | 13 | 6 | 12 | 6 | 13 | 6 | 13 | 6 | 13 | 6 | 13 | 6 | 13 |
| 4 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | 6 | 17 | 6 | 17 | 6 | 17 | 6 | 17 | 6 | 17 | 6 | 17 |
| 5 | 6 | 23 | 6 | 23 | 6 | 22 | 6 | 22 | 6 | 22 | 6 | 22 | 6 | 22 | 6 | 22 | 6 | 21 | 6 | 21 | 6 | 21 |
| 6 | 6 | 27 | 6 | 27 | 6 | 27 | 6 | 27 | 6 | 26 | 6 | 26 | 6 | 26 | 6 | 26 | 6 | 26 | 6 | 25 | 6 | 25 |
| 7 | 6 | 32 | 6 | 31 | 6 | 31 | 6 | 31 | 6 | 31 | 6 | 31 | 6 | 30 | 6 | 30 | 6 | 30 | 6 | 29 | 6 | 29 |
| 8 | 6 | 36 | 6 | 36 | 6 | 36 | 6 | 35 | 6 | 35 | 6 | 35 | 6 | 35 | 6 | 34 | 6 | 34 | 6 | 34 | 6 | 34 |
| 9 | 6 | 40 | 6 | 40 | 6 | 40 | 6 | 40 | 6 | 39 | 6 | 39 | 6 | 39 | 6 | 39 | 6 | 38 | 6 | 38 | 6 | 38 |
| 10 | 6 | 45 | 6 | 45 | 6 | 45 | 6 | 44 | 6 | 44 | 6 | 44 | 6 | 43 | 6 | 43 | 6 | 43 | 6 | 42 | 6 | 42 |
| 11 | 6 | 50 | 6 | 49 | 6 | 49 | 6 | 49 | 6 | 48 | 6 | 48 | 6 | 47 | 6 | 47 | 6 | 47 | 6 | 46 | 6 | 46 |
| 12 | 6 | 54 | 6 | 54 | 6 | 53 | 6 | 53 | 6 | 53 | 6 | 52 | 6 | 52 | 6 | 51 | 6 | 51 | 6 | 51 | 6 | 51 |
| 13 | 6 | 59 | 6 | 58 | 6 | 58 | 6 | 57 | 6 | 57 | 6 | 56 | 6 | 56 | 6 | 56 | 6 | 55 | 6 | 55 | 6 | 54 |
| 14 | 7 | 3 | 7 | 3 | 7 | 2 | 7 | 2 | 7 | 1 | 7 | 1 | 7 | 0 | 7 | 0 | 7 | 59 | 6 | 59 | 6 | 59 |
| 15 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 5 | 7 | 4 | 7 | 4 | 7 | 3 | 7 | 3 |
| 16 | 7 | 12 | 7 | 12 | 7 | 11 | 7 | 10 | 7 | 10 | 7 | 9 | 7 | 9 | 7 | 8 | 7 | 8 | 7 | 8 | 7 | 7 |
| 17 | 7 | 17 | 7 | 16 | 7 | 13 | 7 | 15 | 7 | 14 | 7 | 14 | 7 | 13 | 7 | 13 | 7 | 12 | 7 | 12 | 7 | 11 |
| 18 | 7 | 21 | 7 | 20 | 7 | 20 | 7 | 19 | 7 | 19 | 7 | 18 | 7 | 17 | 7 | 17 | 7 | 16 | 7 | 16 | 7 | 15 |
| 19 | 7 | 25 | 7 | 25 | 7 | 24 | 7 | 23 | 7 | 23 | 7 | 22 | 7 | 22 | 7 | 21 | 7 | 21 | 7 | 20 | 7 | 19 |
| 20 | 7 | 30 | 7 | 29 | 7 | 29 | 7 | 28 | 7 | 27 | 7 | 27 | 7 | 26 | 7 | 25 | 7 | 25 | 7 | 24 | 7 | 23 |
| 21 | 7 | 34 | 7 | 34 | 7 | 33 | 7 | 32 | 7 | 31 | 7 | 31 | 7 | 30 | 7 | 30 | 7 | 29 | 7 | 28 | 7 | 28 |
| 22 | 7 | 38 | 7 | 37 | 7 | 37 | 7 | 36 | 7 | 36 | 7 | 35 | 7 | 34 | 7 | 34 | 7 | 33 | 7 | 32 | 7 | 32 |
| 23 | 7 | 43 | 7 | 42 | 7 | 42 | 7 | 41 | 7 | 40 | 7 | 39 | 7 | 39 | 7 | 38 | 7 | 37 | 7 | 36 | 7 | 36 |
| 24 | 7 | 47 | 7 | 47 | 7 | 46 | 7 | 45 | 7 | 44 | 7 | 44 | 7 | 43 | 7 | 42 | 7 | 41 | 7 | 41 | 7 | 40 |
| 25 | 7 | 52 | 7 | 52 | 7 | 51 | 7 | 50 | 7 | 49 | 7 | 48 | 7 | 47 | 7 | 46 | 7 | 46 | 7 | 45 | 7 | 44 |
| 26 | 7 | 56 | 7 | 56 | 7 | 55 | 7 | 54 | 7 | 53 | 7 | 52 | 7 | 51 | 7 | 50 | 7 | 50 | 7 | 49 | 7 | 48 |
| 27 | 8 | 1 | 8 | 0 | 7 | 59 | 7 | 58 | 7 | 57 | 7 | 56 | 7 | 55 | 7 | 55 | 7 | 54 | 7 | 53 | 7 | 52 |
| 28 | 8 | 5 | 8 | 4 | 8 | 3 | 8 | 2 | 8 | 1 | 8 | 0 | 8 | 0 | 7 | 59 | 7 | 58 | 7 | 57 | 7 | 56 |
| 29 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 6 | 8 | 5 | 8 | 5 | 8 | 4 | 8 | 3 | 8 | 2 | 8 | 1 | 8 | 0 |
| 30 | 8 | 13 | 8 | 12 | 8 | 11 | 8 | 11 | 8 | 10 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 6 | 8 | 5 | 8 | 4 |

## *A Table of Right Ascensions to 5 Degrees of North and South Latitude.*

| | North Latitude ♌ | | | | | | South Latitude ♌ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| g. | h , | h , | h , | h , | h , | h , | h , | h , | h , | h , | h , |
| 0 | 8 13 | 8 12 | 8 11 | 8 11 | 8 10 | 8 9 | 8 8 | 8 7 | 8 6 | 8 5 | 8 4 |
| 1 | 8 18 | 8 17 | 8 16 | 8 15 | 8 14 | 8 13 | 8 12 | 8 11 | 8 10 | 8 9 | 8 8 |
| 2 | 8 22 | 8 21 | 8 20 | 8 19 | 8 18 | 8 17 | 8 16 | 8 15 | 8 14 | 8 13 | 8 12 |
| 3 | 8 26 | 8 25 | 8 24 | 8 23 | 8 22 | 8 21 | 8 20 | 8 19 | 8 18 | 8 17 | 8 16 |
| 4 | 8 30 | 8 29 | 8 28 | 8 27 | 8 26 | 8 25 | 8 24 | 8 23 | 8 22 | 8 21 | 8 20 |
| 5 | 8 35 | 8 34 | 8 33 | 8 32 | 8 31 | 8 29 | 8 28 | 8 27 | 8 26 | 8 25 | 8 24 |
| 6 | 8 39 | 8 38 | 8 37 | 8 36 | 8 35 | 8 34 | 8 33 | 8 31 | 8 30 | 8 29 | 8 28 |
| 7 | 8 43 | 8 42 | 8 41 | 8 40 | 8 39 | 8 38 | 8 37 | 8 36 | 8 34 | 8 33 | 8 32 |
| 8 | 8 47 | 8 46 | 8 45 | 8 44 | 8 43 | 8 42 | 8 41 | 8 40 | 8 38 | 8 37 | 8 36 |
| 9 | 8 52 | 8 50 | 8 49 | 8 48 | 8 47 | 8 46 | 8 45 | 8 44 | 8 42 | 8 41 | 8 40 |
| 10 | 8 56 | 8 54 | 8 53 | 8 52 | 8 51 | 8 50 | 8 49 | 8 48 | 8 46 | 8 45 | 8 44 |
| 11 | 9 0 | 8 59 | 8 57 | 8 56 | 8 55 | 8 54 | 8 53 | 8 52 | 8 50 | 8 49 | 8 48 |
| 12 | 9 4 | 9 3 | 9 1 | 9 0 | 8 59 | 8 58 | 8 57 | 8 56 | 8 54 | 8 53 | 8 52 |
| 13 | 9 8 | 9 7 | 9 5 | 9 4 | 9 3 | 9 2 | 9 1 | 9 0 | 8 58 | 8 57 | 8 56 |
| 14 | 9 12 | 9 11 | 9 10 | 9 8 | 9 7 | 9 6 | 9 5 | 9 4 | 9 2 | 9 1 | 9 0 |
| 15 | 9 16 | 9 15 | 9 14 | 9 12 | 9 11 | 9 10 | 9 9 | 9 7 | 9 6 | 9 5 | 9 4 |
| 16 | 9 20 | 9 19 | 9 18 | 9 16 | 9 15 | 9 14 | 9 13 | 9 11 | 9 10 | 9 9 | 9 8 |
| 17 | 9 24 | 9 23 | 9 22 | 9 20 | 9 19 | 9 18 | 9 17 | 9 15 | 9 14 | 9 13 | 9 12 |
| 18 | 9 28 | 9 27 | 9 26 | 9 24 | 9 23 | 9 22 | 9 21 | 9 19 | 9 18 | 9 17 | 9 16 |
| 19 | 9 32 | 9 31 | 9 30 | 9 28 | 9 27 | 9 26 | 9 24 | 9 23 | 9 22 | 9 21 | 9 20 |
| 20 | 9 36 | 9 35 | 9 34 | 9 32 | 9 31 | 9 30 | 9 28 | 9 27 | 9 26 | 9 25 | 9 23 |
| 21 | 9 40 | 9 39 | 9 38 | 9 36 | 9 35 | 9 34 | 9 32 | 9 31 | 9 30 | 9 29 | 9 27 |
| 22 | 9 44 | 9 43 | 9 42 | 9 40 | 9 39 | 9 38 | 9 36 | 9 35 | 9 34 | 9 32 | 9 31 |
| 23 | 9 48 | 9 47 | 9 46 | 9 44 | 9 43 | 9 41 | 9 40 | 9 39 | 9 37 | 9 36 | 9 35 |
| 24 | 9 52 | 9 51 | 9 49 | 9 48 | 9 47 | 9 45 | 9 44 | 9 43 | 9 41 | 9 40 | 9 39 |
| 25 | 9 56 | 9 55 | 9 53 | 9 52 | 9 51 | 9 49 | 9 48 | 9 46 | 9 45 | 9 44 | 9 42 |
| 26 | 10 0 | 9 59 | 9 57 | 9 56 | 9 54 | 9 53 | 9 52 | 9 50 | 9 49 | 9 48 | 9 46 |
| 27 | 10 4 | 10 3 | 10 1 | 10 0 | 9 58 | 9 57 | 9 56 | 9 54 | 9 53 | 9 51 | 9 50 |
| 28 | 10 8 | 10 6 | 10 5 | 10 4 | 10 2 | 10 1 | 9 59 | 9 58 | 9 57 | 9 55 | 9 54 |
| 29 | 10 12 | 10 10 | 10 9 | 10 7 | 10 6 | 10 5 | 10 3 | 10 2 | 10 0 | 9 59 | 9 57 |
| 30 | 10 16 | 10 14 | 10 13 | 10 11 | 10 10 | 10 8 | 10 7 | 10 6 | 10 4 | 10 3 | 10 1 |

## *A Table of Right Ascensions to 5 Degrees of North and South Latitude.*

| | North Latitude ♍ | | | | | | South Latitude ♍ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 10 16 | 10 14 | 10 13 | 10 11 | 10 10 | 10 8 | 10 7 | 10 6 | 10 4 | 10 3 | 10 1 |
| 1 | 10 20 | 10 18 | 10 17 | 10 15 | 10 14 | 10 12 | 10 11 | 10 9 | 10 8 | 10 7 | 10 5 |
| 2 | 10 23 | 10 22 | 10 20 | 10 19 | 10 18 | 10 16 | 10 14 | 10 13 | 10 12 | 10 10 | 10 9 |
| 3 | 10 27 | 10 26 | 10 24 | 10 23 | 10 21 | 10 20 | 10 18 | 10 17 | 10 15 | 10 14 | 10 13 |
| 4 | 10 31 | 10 30 | 10 28 | 10 27 | 10 25 | 10 24 | 10 22 | 10 21 | 10 19 | 10 18 | 10 16 |
| 5 | 10 35 | 10 33 | 10 32 | 10 30 | 10 29 | 10 27 | 10 26 | 10 24 | 10 23 | 10 21 | 10 20 |
| 6 | 10 39 | 10 37 | 10 36 | 10 34 | 10 33 | 10 31 | 10 30 | 10 28 | 10 27 | 10 25 | 10 24 |
| 7 | 10 43 | 10 41 | 10 39 | 10 38 | 10 36 | 10 35 | 10 33 | 10 32 | 10 30 | 10 29 | 10 27 |
| 8 | 10 46 | 10 45 | 10 43 | 10 42 | 10 40 | 10 39 | 10 37 | 10 36 | 10 34 | 10 33 | 10 31 |
| 9 | 10 50 | 10 49 | 10 47 | 10 45 | 10 44 | 10 42 | 10 41 | 10 39 | 10 38 | 10 36 | 10 35 |
| 10 | 10 54 | 10 52 | 10 51 | 10 49 | 10 48 | 10 46 | 10 45 | 10 43 | 10 42 | 10 40 | 10 39 |
| 11 | 10 58 | 10 56 | 10 55 | 10 53 | 10 51 | 10 50 | 10 48 | 10 47 | 10 45 | 10 44 | 10 42 |
| 12 | 11 01 | 11 0 | 10 58 | 10 57 | 10 55 | 10 54 | 10 52 | 10 51 | 10 49 | 10 48 | 10 46 |
| 13 | 11 05 | 11 4 | 11 2 | 11 1 | 10 59 | 10 57 | 10 56 | 10 54 | 10 53 | 10 51 | 10 50 |
| 14 | 11 09 | 11 7 | 11 6 | 11 4 | 11 3 | 11 1 | 11 0 | 10 58 | 10 56 | 10 55 | 10 53 |
| 15 | 11 13 | 11 11 | 11 9 | 11 8 | 11 6 | 11 5 | 11 3 | 11 2 | 11 0 | 10 59 | 10 57 |
| 16 | 11 16 | 11 15 | 11 13 | 11 12 | 11 10 | 11 8 | 11 7 | 11 5 | 11 4 | 11 2 | 11 1 |
| 17 | 11 20 | 11 18 | 11 17 | 11 15 | 11 14 | 11 12 | 11 11 | 11 9 | 11 7 | 11 6 | 11 4 |
| 18 | 11 24 | 11 22 | 11 21 | 11 18 | 11 17 | 11 16 | 11 14 | 11 13 | 11 11 | 11 10 | 11 8 |
| 19 | 11 28 | 11 26 | 11 24 | 11 23 | 11 21 | 11 20 | 11 18 | 11 16 | 11 15 | 11 13 | 11 12 |
| 20 | 11 32 | 11 30 | 11 28 | 11 27 | 11 25 | 11 23 | 11 22 | 11 20 | 11 19 | 11 17 | 11 16 |
| 21 | 11 35 | 11 33 | 11 32 | 11 30 | 11 29 | 11 27 | 11 25 | 11 24 | 11 22 | 11 21 | 11 19 |
| 22 | 11 39 | 11 37 | 11 35 | 11 34 | 11 32 | 11 31 | 11 29 | 11 27 | 11 26 | 11 24 | 11 23 |
| 23 | 11 42 | 11 41 | 11 39 | 11 37 | 11 36 | 11 34 | 11 33 | 11 31 | 11 29 | 11 28 | 11 26 |
| 24 | 11 46 | 11 44 | 11 43 | 11 41 | 11 40 | 11 38 | 11 36 | 11 35 | 11 33 | 11 32 | 11 30 |
| 25 | 11 50 | 11 48 | 11 47 | 11 45 | 11 43 | 11 42 | 11 40 | 11 39 | 11 37 | 11 35 | 11 34 |
| 26 | 11 53 | 11 52 | 11 50 | 11 48 | 11 47 | 11 46 | 11 44 | 11 42 | 11 41 | 11 39 | 11 37 |
| 27 | 11 57 | 11 55 | 11 54 | 11 52 | 11 51 | 11 49 | 11 47 | 11 46 | 11 44 | 11 43 | 11 41 |
| 28 | 12 1 | 11 59 | 11 57 | 11 56 | 11 54 | 11 53 | 11 51 | 11 49 | 11 48 | 11 46 | 11 45 |
| 29 | 12 4 | 12 3 | 12 1 | 11 59 | 11 58 | 11 56 | 11 55 | 11 53 | 11 52 | 11 50 | 11 48 |
| 30 | 12 8 | 12 6 | 12 5 | 12 3 | 12 1 | 12 0 | 11 58 | 11 57 | 11 55 | 11 54 | 11 52 |

## *A Table of Right Ascensions to 5 Degrees of North and South Latitude.*

| | North Latitude ♎. | | | | | | South Latitude ♎. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| Gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 12 8 | 12 6 | 12 5 | 12 3 | 12 2 | 12 0 | 11 58 | 11 57 | 11 55 | 11 54 | 11 52 |
| 1 | 12 12 | 12 10 | 12 8 | 12 7 | 12 5 | 12 4 | 12 2 | 11 1 | 12 59 | 11 57 | 11 56 |
| 2 | 12 15 | 12 14 | 12 12 | 12 10 | 12 9 | 12 7 | 12 6 | 12 4 | 12 3 | 12 1 | 11 59 |
| 3 | 12 19 | 12 17 | 12 16 | 12 14 | 12 13 | 12 11 | 12 [illegible] | 12 8 | 12 6 | 12 5 | 12 3 |
| 4 | 12 23 | 12 21 | 12 19 | 12 18 | 12 16 | 12 15 | 12 13 | 12 12 | 12 10 | 12 8 | 12 7 |
| 5 | 12 26 | 12 25 | 12 23 | 12 21 | 12 20 | 12 18 | 12 17 | 12 15 | 12 14 | 12 12 | 12 10 |
| 6 | 12 30 | 12 28 | 12 27 | 12 25 | 12 24 | 12 22 | 12 20 | 12 19 | 12 17 | 12 16 | 12 14 |
| 7 | 12 34 | 12 32 | 12 30 | 12 29 | 12 27 | 12 26 | 12 24 | 12 23 | 12 21 | 12 19 | 12 18 |
| 8 | 12 37 | 12 36 | 12 34 | 12 33 | 12 31 | 12 29 | 12 28 | 12 26 | 12 25 | 12 23 | 12 21 |
| 9 | 12 41 | 12 39 | 12 38 | 12 36 | 12 35 | 12 33 | 12 31 | 12 30 | 12 28 | 12 27 | 12 25 |
| 10 | 12 45 | 12 43 | 12 42 | 12 40 | 12 38 | 12 37 | 12 35 | 12 34 | 12 32 | 12 30 | 12 29 |
| 11 | 12 48 | 12 47 | 12 45 | 12 44 | 12 42 | 12 40 | 12 39 | 12 37 | 12 36 | 12 34 | 12 32 |
| 12 | 12 52 | 12 51 | 12 49 | 12 47 | 12 46 | 12 44 | 12 43 | 12 41 | 12 39 | 12 38 | 12 36 |
| 13 | 12 56 | 12 54 | 12 53 | 12 51 | 12 49 | 12 48 | 12 46 | 12 44 | 12 43 | 12 41 | 12 40 |
| 14 | 12 59 | 12 58 | 12 56 | 12 55 | 12 53 | 12 52 | 12 50 | 12 48 | 12 47 | 12 45 | 12 44 |
| 15 | 13 3 | 13 1 | 13 0 | 12 58 | 12 57 | 12 55 | 12 54 | 12 52 | 12 51 | 12 49 | 12 48 |
| 16 | 13 7 | 13 5 | 13 4 | 13 2 | 13 0 | 12 59 | 12 57 | 12 56 | 12 54 | 12 53 | 12 52 |
| 17 | 13 10 | 13 9 | 13 7 | 13 6 | 13 4 | 13 3 | 13 1 | 13 0 | 12 58 | 12 56 | 12 55 |
| 18 | 13 14 | 13 12 | 13 11 | 13 9 | 13 8 | 13 6 | 13 5 | 13 3 | 13 2 | 13 0 | 12 59 |
| 19 | 13 18 | 13 16 | 13 15 | 13 13 | 13 12 | 13 10 | 13 9 | 13 7 | 13 5 | 13 4 | 13 2 |
| 20 | 13 21 | 13 20 | 13 18 | 13 17 | 13 15 | 13 14 | 13 12 | 13 11 | 13 9 | 13 8 | 13 6 |
| 21 | 13 25 | 13 24 | 13 22 | 13 20 | 13 19 | 13 18 | 13 16 | 13 14 | 13 13 | 13 11 | 13 10 |
| 22 | 13 29 | 13 27 | 13 26 | 13 24 | 13 23 | 13 21 | 13 20 | 13 18 | 13 17 | 13 15 | 13 14 |
| 23 | 13 32 | 13 31 | 13 30 | 13 28 | 13 27 | 13 26 | 13 24 | 13 22 | 13 21 | 13 19 | 13 17 |
| 24 | 13 36 | 13 35 | 13 33 | 13 32 | 13 30 | 13 29 | 13 27 | 13 26 | 13 24 | 13 23 | 13 21 |
| 25 | 13 40 | 13 39 | 13 37 | 13 36 | 13 34 | 13 33 | 13 32 | 13 30 | 13 28 | 13 27 | 13 25 |
| 26 | 13 44 | 13 42 | 13 41 | 13 39 | 13 38 | 13 36 | 13 35 | 13 33 | 13 32 | 13 30 | 13 29 |
| 27 | 13 47 | 13 46 | 13 45 | 13 43 | 13 42 | 13 40 | 13 39 | 13 37 | 13 36 | 13 34 | 13 33 |
| 28 | 13 51 | 13 50 | 13 48 | 13 47 | 13 45 | 13 44 | 13 43 | 13 41 | 13 40 | 13 38 | 13 37 |
| 29 | 13 55 | 13 53 | 13 52 | 13 51 | 13 49 | 13 48 | 13 46 | 13 45 | 13 43 | 13 42 | 13 40 |
| 30 | 13 59 | 13 57 | 13 56 | 13 55 | 13 54 | 13 52 | 13 50 | 13 49 | 13 47 | 13 46 | 13 44 |

## *A Table of Right Ascensions to 5 Degrees of North and South Latitude.*

| | North Latitude ♏ | | | | | South Latitude ♏ | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 13 59 | 13 57 | 13 56 | 13 55 | 13 53 | 13 52 | 13 50 | 13 49 | 13 47 | 13 46 | 13 44 |
| 1 | 14 2 | 14 1 | 13 59 | 13 58 | 13 56 | 13 55 | 13 54 | 13 53 | 13 51 | 13 50 | 13 48 |
| 2 | 14 6 | 14 5 | 14 3 | 14 2 | 14 0 | 13 59 | 13 58 | 13 56 | 13 55 | 13 54 | 13 52 |
| 3 | 14 10 | 14 9 | 14 7 | 14 6 | 14 4 | 14 3 | 14 2 | 14 0 | 13 59 | 13 58 | 13 56 |
| 4 | 14 14 | 14 12 | 14 11 | 14 10 | 14 8 | 14 7 | 14 6 | 14 4 | 14 3 | 14 1 | 14 0 |
| 5 | 14 18 | 14 16 | 14 15 | 14 14 | 14 12 | 14 11 | 14 9 | 14 8 | 14 7 | 14 5 | 14 4 |
| 6 | 14 21 | 14 20 | 14 15 | 14 17 | 14 16 | 14 15 | 14 13 | 14 12 | 14 11 | 14 9 | 14 8 |
| 7 | 14 25 | 14 24 | 14 23 | 14 21 | 14 20 | 14 19 | 14 17 | 14 16 | 14 14 | 14 13 | 14 12 |
| 8 | 14 29 | 14 28 | 14 26 | 14 25 | 14 24 | 14 23 | 14 21 | 14 20 | 14 18 | 14 17 | 14 16 |
| 9 | 14 33 | 14 32 | 14 30 | 14 29 | 14 28 | 14 26 | 14 25 | 14 24 | 14 22 | 14 21 | 14 20 |
| 10 | 14 37 | 14 35 | 14 34 | 14 33 | 14 32 | 14 30 | 14 29 | 14 28 | 14 26 | 14 25 | 14 24 |
| 11 | 14 41 | 14 39 | 14 38 | 14 37 | 14 35 | 14 34 | 14 33 | 14 32 | 14 30 | 14 29 | 14 28 |
| 12 | 14 44 | 14 43 | 14 42 | 14 41 | 14 39 | 14 38 | 14 37 | 14 36 | 14 34 | 14 33 | 14 32 |
| 13 | 14 48 | 14 47 | 14 46 | 14 45 | 14 43 | 14 42 | 14 41 | 14 40 | 14 38 | 14 37 | 14 36 |
| 14 | 14 52 | 14 51 | 14 50 | 14 49 | 14 47 | 14 46 | 14 45 | 14 44 | 14 42 | 14 41 | 14 40 |
| 15 | 14 56 | 14 55 | 14 54 | 14 53 | 14 51 | 14 50 | 14 49 | 14 48 | 14 46 | 14 45 | 14 44 |
| 16 | 15 0 | 14 59 | 14 58 | 14 56 | 14 55 | 14 54 | 14 53 | 14 52 | 14 50 | 14 49 | 14 48 |
| 17 | 15 4 | 15 3 | 15 2 | 15 0 | 14 59 | 14 58 | 14 57 | 14 56 | 14 54 | 14 53 | 14 52 |
| 18 | 15 8 | 15 7 | 15 6 | 15 4 | 15 3 | 15 2 | 15 1 | 15 0 | 14 59 | 14 57 | 14 56 |
| 19 | 15 12 | 15 11 | 15 10 | 15 8 | 15 7 | 15 6 | 15 5 | 15 4 | 15 3 | 15 1 | 15 0 |
| 20 | 15 16 | 15 15 | 15 14 | 15 12 | 15 12 | 15 10 | 15 9 | 15 8 | 15 7 | 15 6 | 15 4 |
| 21 | 15 20 | 15 19 | 15 18 | 15 16 | 15 15 | 15 14 | 15 13 | 15 12 | 15 11 | 15 10 | 15 8 |
| 22 | 15 24 | 15 23 | 15 22 | 15 20 | 15 19 | 15 18 | 15 17 | 15 16 | 15 15 | 15 14 | 15 13 |
| 23 | 15 28 | 15 27 | 15 26 | 15 24 | 15 23 | 15 22 | 15 21 | 15 20 | 15 19 | 15 18 | 15 17 |
| 24 | 15 32 | 15 31 | 15 30 | 15 28 | 15 27 | 15 26 | 15 25 | 15 24 | 15 23 | 15 22 | 15 21 |
| 25 | 15 36 | 15 35 | 15 34 | 15 33 | 15 31 | 15 30 | 15 29 | 15 28 | 15 27 | 15 26 | 15 25 |
| 26 | 15 40 | 15 39 | 15 38 | 15 37 | 15 35 | 15 35 | 15 34 | 15 33 | 15 32 | 15 31 | 15 29 |
| 27 | 15 44 | 15 43 | 15 42 | 15 41 | 15 40 | 15 39 | 15 38 | 15 37 | 15 36 | 15 35 | 15 34 |
| 28 | 15 48 | 15 47 | 15 46 | 15 45 | 15 44 | 15 43 | 15 42 | 15 41 | 15 40 | 15 39 | 15 38 |
| 29 | 15 52 | 15 51 | 15 50 | 15 49 | 15 48 | 15 47 | 15 46 | 15 45 | 15 44 | 15 43 | 15 42 |
| 30 | 15 56 | 15 55 | 15 54 | 15 53 | 15 52 | 15 51 | 15 50 | 15 49 | 15 48 | 15 47 | 15 46 |

## *A Table of Right Aſcenſions to 5 Degrees of North and South Latitude.*

| | North Latitude ♑. | | | | | | South Latitude ♑. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| Gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 15 56 | 15 55 | 15 54 | 15 53 | 15 52 | 15 51 | 15 50 | 15 49 | 15 48 | 15 47 | 15 46 |
| 1 | 16 0 | 15 59 | 15 58 | 15 57 | 15 56 | 15 55 | 15 54 | 15 53 | 15 53 | 15 52 | 15 52 |
| 2 | 16 4 | 16 3 | 16 2 | 16 1 | 16 0 | 16 0 | 15 59 | 15 58 | 15 57 | 15 56 | 15 55 |
| 3 | 16 8 | 16 7 | 16 6 | 16 5 | 16 4 | 16 4 | 16 3 | 16 2 | 16 1 | 16 0 | 15 59 |
| 4 | 16 12 | 16 11 | 16 10 | 16 10 | 16 9 | 16 8 | 16 7 | 16 6 | 16 5 | 16 4 | 16 4 |
| 5 | 16 16 | 16 15 | 16 14 | 16 14 | 16 13 | 16 12 | 16 11 | 16 10 | 16 10 | 16 9 | 16 8 |
| 6 | 16 20 | 16 19 | 16 19 | 16 18 | 16 17 | 16 16 | 16 15 | 16 15 | 16 14 | 16 13 | 16 12 |
| 7 | 16 24 | 16 24 | 16 23 | 16 22 | 16 21 | 16 21 | 16 20 | 16 19 | 16 18 | 16 18 | 16 17 |
| 8 | 16 28 | 16 28 | 16 27 | 16 26 | 16 25 | 16 25 | 16 24 | 16 23 | 16 23 | 16 22 | 16 21 |
| 9 | 16 32 | 16 32 | 16 31 | 16 30 | 16 30 | 16 29 | 16 28 | 16 28 | 16 27 | 16 26 | 16 26 |
| 10 | 16 36 | 16 36 | 16 35 | 16 35 | 16 34 | 16 33 | 16 32 | 16 32 | 16 31 | 16 31 | 16 30 |
| 11 | 16 41 | 16 40 | 16 39 | 16 39 | 16 38 | 16 38 | 16 37 | 16 36 | 16 36 | 16 35 | 16 34 |
| 12 | 16 45 | 16 44 | 16 44 | 16 43 | 16 43 | 16 42 | 16 41 | 16 40 | 16 40 | 16 39 | 16 39 |
| 13 | 16 49 | 16 48 | 16 48 | 16 47 | 16 47 | 16 46 | 16 45 | 16 45 | 16 45 | 16 44 | 16 43 |
| 14 | 16 53 | 16 52 | 16 52 | 16 52 | 16 51 | 16 51 | 16 50 | 16 49 | 16 49 | 16 48 | 16 48 |
| 15 | 16 57 | 16 57 | 16 56 | 16 56 | 16 55 | 16 55 | 16 54 | 16 54 | 16 53 | 16 53 | 16 52 |
| 16 | 17 1 | 17 1 | 17 0 | 17 0 | 17 0 | 16 59 | 16 58 | 16 58 | 16 58 | 16 57 | 16 57 |
| 17 | 17 6 | 17 5 | 17 5 | 17 4 | 17 4 | 17 3 | 17 3 | 17 2 | 17 2 | 17 2 | 17 1 |
| 18 | 17 10 | 17 9 | 17 9 | 17 9 | 17 8 | 17 8 | 17 8 | 17 6 | 17 6 | 17 6 | 17 6 |
| 19 | 17 14 | 17 14 | 17 13 | 17 13 | 17 12 | 17 12 | 17 12 | 17 11 | 17 11 | 17 11 | 17 10 |
| 20 | 17 18 | 17 18 | 17 17 | 17 17 | 17 17 | 17 16 | 17 16 | 17 15 | 17 15 | 17 15 | 17 15 |
| 21 | 17 22 | 17 22 | 17 22 | 17 21 | 17 21 | 17 21 | 17 20 | 17 19 | 17 19 | 17 19 | 17 19 |
| 22 | 17 26 | 17 26 | 17 26 | 17 26 | 17 25 | 17 25 | 17 24 | 17 24 | 17 24 | 17 24 | 17 23 |
| 23 | 17 31 | 17 30 | 17 30 | 17 30 | 17 30 | 17 29 | 17 28 | 17 28 | 17 28 | 17 28 | 17 28 |
| 24 | 17 35 | 17 35 | 17 34 | 17 34 | 17 3 | 17 34 | 17 33 | 17 33 | 17 33 | 17 35 | 17 32 |
| 25 | 17 40 | 17 39 | 17 39 | 17 38 | 17 38 | 17 38 | 17 37 | 17 37 | 17 37 | 17 37 | 17 37 |
| 26 | 17 43 | 17 43 | 17 43 | 17 43 | 17 43 | 17 43 | 17 42 | 17 42 | 17 42 | 17 42 | 17 41 |
| 27 | 17 48 | 17 47 | 17 47 | 17 47 | 17 47 | 17 47 | 17 46 | 17 46 | 17 46 | 17 46 | 17 45 |
| 28 | 17 53 | 17 53 | 17 52 | 17 52 | 17 52 | 17 51 | 17 50 | 17 50 | 17 50 | 17 50 | 17 50 |
| 29 | 17 56 | 17 56 | 17 56 | 17 56 | 17 56 | 17 56 | 17 55 | 17 54 | 17 54 | 17 54 | 17 54 |
| 30 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 |

## *A Table of Right Ascensions to 5 Degrees of North and South Latitude.*

| | North Latitude ♈ | | | | | | South Latitude ♈ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 | 18 0 |
| 1 | 18 4 | 18 4 | 18 4 | 18 4 | 18 4 | 18 4 | 18 4 | 18 4 | 18 4 | 18 5 | 18 5 |
| 2 | 18 8 | 18 9 | 18 9 | 18 9 | 18 9 | 18 9 | 18 9 | 18 9 | 18 9 | 18 9 | 18 9 |
| 3 | 18 13 | 18 13 | 18 13 | 18 13 | 18 13 | 18 13 | 18 13 | 18 13 | 18 13 | 18 14 | 14 14 |
| 4 | 18 17 | 18 17 | 18 17 | 18 17 | 18 17 | 18 17 | 18 17 | 18 18 | 18 18 | 18 18 | 18 18 |
| 5 | 18 21 | 18 21 | 18 21 | 18 22 | 18 22 | 18 22 | 18 22 | 18 22 | 18 22 | 18 23 | 18 23 |
| 6 | 18 25 | 18 25 | 18 26 | 18 26 | 18 26 | 18 26 | 18 26 | 18 27 | 18 27 | 18 27 | 18 27 |
| 7 | 18 30 | 18 29 | 18 30 | 18 30 | 18 30 | 18 31 | 18 31 | 18 31 | 18 31 | 18 31 | 18 32 |
| 8 | 18 34 | 18 34 | 18 35 | 18 35 | 18 35 | 18 35 | 18 35 | 18 35 | 18 36 | 18 36 | 18 36 |
| 9 | 18 38 | 18 38 | 18 38 | 18 39 | 18 39 | 18 39 | 18 39 | 18 40 | 18 40 | 18 40 | 18 40 |
| 10 | 18 42 | 18 42 | 18 43 | 18 43 | 18 43 | 18 44 | 18 44 | 18 44 | 18 45 | 18 45 | 18 45 |
| 11 | 18 46 | 18 46 | 18 47 | 18 47 | 18 47 | 18 48 | 18 48 | 18 49 | 18 49 | 18 49 | 18 50 |
| 12 | 18 51 | 18 51 | 18 51 | 18 51 | 18 52 | 18 52 | 18 52 | 18 53 | 18 53 | 18 53 | 18 54 |
| 13 | 18 54 | 18 55 | 18 55 | 18 56 | 18 56 | 18 56 | 18 56 | 18 57 | 18 57 | 18 58 | 18 57 |
| 14 | 18 59 | 18 59 | 18 59 | 19 0 | 19 0 | 19 1 | 19 1 | 19 2 | 19 2 | 19 3 | 19 3 |
| 15 | 19 3 | 19 3 | 19 4 | 19 4 | 19 5 | 19 5 | 19 5 | 19 6 | 19 7 | 19 7 | 19 8 |
| 16 | 19 7 | 19 8 | 19 8 | 19 8 | 19 9 | 19 9 | 19 9 | 19 10 | 19 11 | 19 12 | 19 12 |
| 17 | 19 11 | 19 12 | 19 12 | 19 13 | 19 13 | 19 14 | 19 14 | 19 15 | 19 15 | 19 16 | 19 17 |
| 18 | 19 15 | 19 16 | 19 16 | 19 17 | 19 17 | 19 18 | 19 18 | 19 19 | 19 20 | 19 20 | 19 21 |
| 19 | 19 19 | 19 20 | 19 21 | 19 21 | 19 22 | 19 22 | 19 22 | 19 23 | 19 24 | 19 25 | 19 25 |
| 20 | 19 23 | 19 24 | 19 25 | 19 25 | 19 26 | 19 27 | 19 27 | 19 28 | 19 29 | 19 29 | 19 30 |
| 21 | 19 28 | 19 28 | 19 29 | 19 30 | 19 30 | 19 31 | 19 31 | 19 32 | 19 33 | 19 34 | 19 34 |
| 22 | 19 32 | 19 32 | 19 33 | 19 34 | 19 34 | 19 35 | 19 36 | 19 36 | 19 37 | 19 37 | 19 38 |
| 23 | 19 36 | 19 36 | 19 37 | 19 38 | 19 39 | 19 39 | 19 40 | 19 41 | 19 42 | 19 42 | 19 43 |
| 24 | 19 40 | 19 41 | 19 41 | 19 42 | 19 43 | 19 44 | 19 44 | 19 45 | 19 46 | 19 47 | 19 47 |
| 25 | 19 44 | 19 45 | 19 46 | 19 46 | 19 47 | 19 48 | 19 49 | 19 50 | 19 51 | 19 51 | 19 52 |
| 26 | 19 48 | 19 49 | 19 50 | 19 50 | 19 51 | 19 52 | 19 53 | 19 54 | 19 55 | 19 55 | 19 56 |
| 27 | 19 52 | 19 53 | 19 54 | 19 55 | 19 55 | 19 56 | 19 57 | 19 58 | 19 59 | 20 0 | 20 1 |
| 28 | 19 56 | 19 57 | 19 58 | 19 59 | 20 0 | 20 0 | 20 1 | 20 2 | 20 3 | 20 4 | 20 5 |
| 29 | 20 0 | 20 1 | 20 2 | 20 3 | 20 4 | 20 5 | 20 5 | 20 6 | 20 7 | 20 8 | 20 9 |
| 30 | 20 4 | 20 5 | 20 6 | 20 7 | 20 8 | 20 9 | 20 10 | 20 11 | 20 11 | 20 12 | 20 13 |

## *A Table of Right Ascensions to 5 degrees of North and South Latitude.*

| | North Latitude ♒. | | | | | | South Latitude ♒. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 20 4 | 20 5 | 20 6 | 20 7 | 20 8 | 20 9 | 20 10 | 20 11 | 20 11 | 20 12 | 20 13 |
| 1 | 20 8 | 20 9 | 20 10 | 20 11 | 20 12 | 20 13 | 20 14 | 20 15 | 20 16 | 20 17 | 20 18 |
| 2 | 20 12 | 20 13 | 20 14 | 20 15 | 20 16 | 20 17 | 20 18 | 20 19 | 20 20 | 20 21 | 20 22 |
| 3 | 20 16 | 20 17 | 20 18 | 20 19 | 20 20 | 20 21 | 20 22 | 20 23 | 20 24 | 20 25 | 20 26 |
| 4 | 20 20 | 20 21 | 20 22 | 20 23 | 20 24 | 20 25 | 20 26 | 20 27 | 20 28 | 20 29 | 20 30 |
| 5 | 20 24 | 20 25 | 20 26 | 20 27 | 20 28 | 20 29 | 20 31 | 20 32 | 20 33 | 20 34 | 20 35 |
| 6 | 20 28 | 20 29 | 20 30 | 20 31 | 20 33 | 20 34 | 20 35 | 20 36 | 20 37 | 20 38 | 20 39 |
| 7 | 20 32 | 20 33 | 20 34 | 20 36 | 20 37 | 20 38 | 20 39 | 20 40 | 20 41 | 20 42 | 20 43 |
| 8 | 20 36 | 20 37 | 20 38 | 20 40 | 20 41 | 20 42 | 20 43 | 20 44 | 20 45 | 20 46 | 20 47 |
| 9 | 20 40 | 20 41 | 20 42 | 20 44 | 20 45 | 20 46 | 20 47 | 20 48 | 20 49 | 20 50 | 20 52 |
| 10 | 20 44 | 20 45 | 20 46 | 20 48 | 20 49 | 20 50 | 20 51 | 20 52 | 20 53 | 20 54 | 20 56 |
| 11 | 20 48 | 20 49 | 20 50 | 20 52 | 20 53 | 20 54 | 20 55 | 20 56 | 20 57 | 20 59 | 21 0 |
| 12 | 20 52 | 20 53 | 20 54 | 20 56 | 20 57 | 20 58 | 20 59 | 21 0 | 21 1 | 21 3 | 21 4 |
| 13 | 20 56 | 20 57 | 20 58 | 21 0 | 21 1 | 21 2 | 21 3 | 21 4 | 21 5 | 21 7 | 21 8 |
| 14 | 21 0 | 21 1 | 21 2 | 21 4 | 21 5 | 21 6 | 21 7 | 21 8 | 21 10 | 21 11 | 21 12 |
| 15 | 21 4 | 21 5 | 21 6 | 21 7 | 21 9 | 21 10 | 21 11 | 21 12 | 21 14 | 21 15 | 21 16 |
| 16 | 21 8 | 21 9 | 21 10 | 21 11 | 21 13 | 21 14 | 21 15 | 21 16 | 21 18 | 21 19 | 21 20 |
| 17 | 21 12 | 21 13 | 21 14 | 21 15 | 21 17 | 21 18 | 21 19 | 21 20 | 21 22 | 21 23 | 21 24 |
| 18 | 21 16 | 21 17 | 21 18 | 21 19 | 21 21 | 21 22 | 21 23 | 21 24 | 21 26 | 21 27 | 21 28 |
| 19 | 21 19 | 21 21 | 21 22 | 21 23 | 21 24 | 21 26 | 21 27 | 21 28 | 21 30 | 21 31 | 21 32 |
| 20 | 21 23 | 21 25 | 21 26 | 21 27 | 21 28 | 21 30 | 21 31 | 21 32 | 21 34 | 21 35 | 21 36 |
| 21 | 21 27 | 21 29 | 21 30 | 21 31 | 21 32 | 21 34 | 21 35 | 21 36 | 21 38 | 21 39 | 21 40 |
| 22 | 21 31 | 21 32 | 21 34 | 21 35 | 21 36 | 21 38 | 21 39 | 21 40 | 21 42 | 21 43 | 21 44 |
| 23 | 21 35 | 21 36 | 21 37 | 21 39 | 21 40 | 21 41 | 21 43 | 21 44 | 21 46 | 21 47 | 21 48 |
| 24 | 21 39 | 21 40 | 21 41 | 21 43 | 21 44 | 21 45 | 21 47 | 21 48 | 21 49 | 21 51 | 21 52 |
| 25 | 21 42 | 21 44 | 21 45 | 21 46 | 21 48 | 21 49 | 21 51 | 21 52 | 21 53 | 21 55 | 21 56 |
| 26 | 21 46 | 21 48 | 21 49 | 21 50 | 21 52 | 21 53 | 21 54 | 21 56 | 21 57 | 21 59 | 22 0 |
| 27 | 21 50 | 21 52 | 21 53 | 21 54 | 21 56 | 21 57 | 21 58 | 22 0 | 22 1 | 22 3 | 22 4 |
| 28 | 21 54 | 21 55 | 21 57 | 21 58 | 21 59 | 22 1 | 22 2 | 22 4 | 22 5 | 22 6 | 22 8 |
| 29 | 21 57 | 21 59 | 22 0 | 22 2 | 22 3 | 22 5 | 22 6 | 22 7 | 22 9 | 22 10 | 22 12 |
| 30 | 22 1 | 22 3 | 22 4 | 22 6 | 22 7 | 22 8 | 22 10 | 22 11 | 22 13 | 22 14 | 22 16 |

## A Table of Right Ascensions to 5 Degrees of North and South Latitude.

| | North Latitude ♓. | | | | | | South Latitude ♓. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 22 1 | 22 3 | 22 4 | 22 6 | 22 7 | 22 8 | 22 10 | 22 11 | 22 13 | 22 14 | 22 16 |
| 1 | 22 5 | 22 7 | 22 8 | 22 9 | 22 11 | 22 12 | 22 14 | 22 15 | 22 17 | 22 18 | 22 20 |
| 2 | 22 9 | 22 10 | 22 12 | 22 13 | 22 14 | 22 16 | 22 18 | 22 19 | 22 20 | 22 22 | 22 23 |
| 3 | 22 13 | 22 14 | 22 15 | 22 17 | 22 18 | 22 20 | 22 21 | 22 23 | 22 24 | 22 26 | 22 27 |
| 4 | 22 16 | 22 18 | 22 19 | 22 21 | 22 22 | 22 24 | 22 25 | 22 27 | 22 28 | 22 30 | 22 31 |
| 5 | 22 20 | 22 21 | 22 23 | 22 24 | 22 26 | 22 27 | 22 29 | 22 30 | 22 32 | 22 33 | 22 35 |
| 6 | 22 24 | 22 25 | 22 27 | 22 28 | 22 30 | 22 31 | 22 33 | 22 34 | 22 36 | 22 37 | 22 39 |
| 7 | 22 27 | 22 29 | 22 30 | 22 32 | 22 33 | 22 35 | 22 36 | 22 38 | 22 39 | 22 41 | 22 43 |
| 8 | 22 31 | 22 33 | 22 34 | 22 36 | 22 37 | 22 39 | 22 40 | 22 42 | 22 43 | 22 45 | 22 46 |
| 9 | 22 35 | 22 36 | 22 38 | 22 39 | 22 41 | 22 42 | 22 44 | 22 45 | 22 47 | 22 49 | 22 50 |
| 10 | 22 39 | 22 40 | 22 42 | 22 43 | 22 45 | 22 46 | 22 48 | 22 49 | 22 51 | 22 52 | 22 54 |
| 11 | 22 42 | 22 44 | 22 45 | 22 47 | 22 49 | 22 50 | 22 51 | 22 53 | 22 55 | 22 56 | 22 58 |
| 12 | 22 46 | 22 48 | 22 49 | 22 51 | 22 52 | 22 54 | 22 55 | 22 57 | 22 58 | 23 0 | 23 1 |
| 13 | 22 50 | 22 51 | 22 53 | 22 54 | 22 56 | 22 57 | 22 59 | 23 1 | 23 2 | 23 3 | 23 5 |
| 14 | 22 53 | 22 55 | 22 56 | 22 58 | 23 0 | 23 1 | 23 3 | 23 4 | 23 6 | 23 7 | 23 9 |
| 15 | 22 57 | 22 59 | 23 0 | 23 2 | 23 3 | 23 5 | 23 6 | 23 8 | 23 9 | 23 11 | 23 13 |
| 16 | 23 1 | 23 2 | 23 4 | 23 5 | 23 7 | 23 8 | 23 10 | 23 12 | 23 13 | 23 15 | 23 16 |
| 17 | 23 4 | 23 6 | 23 7 | 23 9 | 23 11 | 23 12 | 23 14 | 23 15 | 23 17 | 23 18 | 23 20 |
| 18 | 23 8 | 23 10 | 23 11 | 23 13 | 23 14 | 23 16 | 23 18 | 23 19 | 23 21 | 23 22 | 23 24 |
| 19 | 23 12 | 23 13 | 23 15 | 23 16 | 23 18 | 23 20 | 23 21 | 23 23 | 23 24 | 23 26 | 23 28 |
| 20 | 23 16 | 23 17 | 23 19 | 23 20 | 23 22 | 23 23 | 23 25 | 23 27 | 23 28 | 23 30 | 23 32 |
| 21 | 23 19 | 23 21 | 23 22 | 23 24 | 23 24 | 23 27 | 23 29 | 23 30 | 23 32 | 23 33 | 23 35 |
| 22 | 23 23 | 23 24 | 23 26 | 23 27 | 23 29 | 23 31 | 23 32 | 23 34 | 23 35 | 23 37 | 23 39 |
| 23 | 23 26 | 23 28 | 23 29 | 23 31 | 23 33 | 23 34 | 23 36 | 23 37 | 23 39 | 23 41 | 23 42 |
| 24 | 23 30 | 23 32 | 23 33 | 23 35 | 23 36 | 23 38 | 23 40 | 23 41 | 23 43 | 23 44 | 23 46 |
| 25 | 23 34 | 23 35 | 23 37 | 23 39 | 23 40 | 23 42 | 23 43 | 23 45 | 23 47 | 23 48 | 23 50 |
| 26 | 23 37 | 23 39 | 23 41 | 23 42 | 23 44 | 23 46 | 23 47 | 23 48 | 23 50 | 23 52 | 23 53 |
| 27 | 23 41 | 23 43 | 23 44 | 23 46 | 23 47 | 23 49 | 23 51 | 23 52 | 23 54 | 23 55 | 23 57 |
| 28 | 23 45 | 23 46 | 23 48 | 23 49 | 23 51 | 23 53 | 23 54 | 23 56 | 23 57 | 23 59 | 24 1 |
| 29 | 23 48 | 23 50 | 23 52 | 23 53 | 23 55 | 23 56 | 23 58 | 23 59 | 24 1 | 24 3 | 24 4 |
| 30 | 23 52 | 23 54 | 23 55 | 23 57 | 23 58 | 24 0 | 24 1 | 24 3 | 24 5 | 24 6 | 24 8 |

A

# TABLE

OF

# Oblique Ascensions

In Time;

Being of Excellent Use in finding the

*RISING* and *SETTING*

OF THE

PLANETS

AND

FIXED STARS.

Calculated to 5 Degrees of North and South Latitude.

*LONDON*,

Printed in the Year MDCCII.

# TABLE

OF

## Boiling Elevations

AND

Boiling and Freezing Points

OF THE

THERMOMETERS

AND

SCALES

Showing the Difference between North and South Latitude.

LONDON:

Printed in the Year MDCCCL.

## *A Table of Oblique Ascensions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♈. | | | | | | South Latitude ♈. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| Gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 23 27 | 23 34 | 23 40 | 23 47 | 23 53 | 0 0 | 0 6 | 0 13 | 0 19 | 0 26 | 0 32 |
| 1 | 23 29 | 23 36 | 23 42 | 23 48 | 23 55 | 0 1 | 0 8 | 0 14 | 0 21 | 0 27 | 0 34 |
| 2 | 23 30 | 23 37 | 23 44 | 23 50 | 23 57 | 0 3 | 0 9 | 0 16 | 0 22 | 0 29 | 0 35 |
| 3 | 23 32 | 23 39 | 23 45 | 23 52 | 23 58 | 0 4 | 0 11 | 0 17 | 0 24 | 0 30 | 0 37 |
| 4 | 23 33 | 23 40 | 23 47 | 23 53 | 24 0 | 0 6 | 0 12 | 0 19 | 0 26 | 0 32 | 0 39 |
| 5 | 23 35 | 23 42 | 23 48 | 23 55 | 0 1 | 0 8 | 0 14 | 0 21 | 0 27 | 0 33 | 0 40 |
| 6 | 23 36 | 23 43 | 23 50 | 23 56 | 0 3 | 0 9 | 0 16 | 0 22 | 0 29 | 0 35 | 0 42 |
| 7 | 23 38 | 23 45 | 23 51 | 23 58 | 0 4 | 0 11 | 0 17 | 0 24 | 0 30 | 0 37 | 0 43 |
| 8 | 23 39 | 23 46 | 23 53 | 23 59 | 0 6 | 0 12 | 0 19 | 0 25 | 0 32 | 0 38 | 0 45 |
| 9 | 23 41 | 23 48 | 23 54 | 0 1 | 0 7 | 0 14 | 0 20 | 0 27 | 0 33 | 0 40 | 0 47 |
| 10 | 23 43 | 23 49 | 23 56 | 0 2 | 0 9 | 0 15 | 0 22 | 0 28 | 0 35 | 0 41 | 0 48 |
| 11 | 23 44 | 23 51 | 23 57 | 0 4 | 0 11 | 0 17 | 0 23 | 0 30 | 0 37 | 0 43 | 0 50 |
| 12 | 23 46 | 23 52 | 23 59 | 0 5 | 0 12 | 0 19 | 0 25 | 0 32 | 0 38 | 0 45 | 0 51 |
| 13 | 23 47 | 23 54 | 0 2 | 0 7 | 0 14 | 0 20 | 0 27 | 0 33 | 0 40 | 0 46 | 0 53 |
| 14 | 23 49 | 23 55 | 0 4 | 0 9 | 0 15 | 0 22 | 0 28 | 0 35 | 0 42 | 0 48 | 0 54 |
| 15 | 23 50 | 23 57 | 0 5 | 0 10 | 0 17 | 0 23 | 0 30 | 0 37 | 0 43 | 0 50 | 0 56 |
| 16 | 23 52 | 23 58 | 0 7 | 0 12 | 0 19 | 0 25 | 0 32 | 0 38 | 0 45 | 0 51 | 0 58 |
| 17 | 23 53 | 0 0 | 0 8 | 0 13 | 0 20 | 0 27 | 0 33 | 0 40 | 0 46 | 0 53 | 0 59 |
| 18 | 23 55 | 0 2 | 0 10 | 0 15 | 0 22 | 0 28 | 0 35 | 0 41 | 0 48 | 0 54 | 1 1 |
| 19 | 23 56 | 0 3 | 0 12 | 0 17 | 0 23 | 0 30 | 0 36 | 0 43 | 0 50 | 0 56 | 1 2 |
| 20 | 23 58 | 0 5 | 0 13 | 0 18 | 0 25 | 0 32 | 0 38 | 0 45 | 0 51 | 0 58 | 1 4 |
| 21 | 23 59 | 0 6 | 0 15 | 0 20 | 0 27 | 0 33 | 0 40 | 0 47 | 0 53 | 1 0 | 1 6 |
| 22 | 0 1 | 0 8 | 0 16 | 0 21 | 0 28 | 0 35 | 0 42 | 0 48 | 0 55 | 1 1 | 1 8 |
| 23 | 0 2 | 0 9 | 0 18 | 0 23 | 0 30 | 0 37 | 0 43 | 0 50 | 0 56 | 1 3 | 1 9 |
| 24 | 0 4 | 0 11 | 0 20 | 0 25 | 0 32 | 0 38 | 0 45 | 0 52 | 0 58 | 1 5 | 1 11 |
| 25 | 0 6 | 0 13 | 0 21 | 0 26 | 0 33 | 0 40 | 0 47 | 0 53 | 1 0 | 1 7 | 1 13 |
| 26 | 0 7 | 0 14 | 0 23 | 0 28 | 0 35 | 0 42 | 0 49 | 0 55 | 1 2 | 1 8 | 1 15 |
| 27 | 0 9 | 0 16 | 0 25 | 0 30 | 0 37 | 0 43 | 0 50 | 0 57 | 1 4 | 1 10 | 1 16 |
| 28 | 0 10 | 0 18 | 0 26 | 0 32 | 0 38 | 0 45 | 0 52 | 0 59 | 1 5 | 1 12 | 1 18 |
| 29 | 0 12 | 0 19 | 0 28 | 0 33 | 0 40 | 0 47 | 0 54 | 1 1 | 1 7 | 1 14 | 1 20 |
| 30 | 0 14 | 0 21 | 0 29 | 0 35 | 0 42 | 0 49 | 0 56 | 1 2 | 1 9 | 1 16 | 1 22 |

## A Table of Oblique Ascensions in time, calculated to 5 Degrees of North and South Latitude.

| | North Latitude ♉. | | | | | | South Latitude ♉. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 0 14 | 0 21 | 0 28 | 0 35 | 0 42 | 0 49 | 0 56 | 1 2 | 1 9 | 1 16 | 1 22 |
| 1 | 0 15 | 0 23 | 0 30 | 0 37 | 0 44 | 0 51 | 0 58 | 1 4 | 1 11 | 1 18 | 1 24 |
| 2 | 0 17 | 0 24 | 0 32 | 0 39 | 0 46 | 0 52 | 0 59 | 1 6 | 1 13 | 1 19 | 1 26 |
| 3 | 0 19 | 0 26 | 0 33 | 0 40 | 0 47 | 0 54 | 1 1 | 1 8 | 1 15 | 1 21 | 1 28 |
| 4 | 0 20 | 0 28 | 0 35 | 0 42 | 0 49 | 0 56 | 1 3 | 1 10 | 1 17 | 1 23 | 1 30 |
| 5 | 0 22 | 0 30 | 0 37 | 0 44 | 0 51 | 0 58 | 1 5 | 1 12 | 1 19 | 1 25 | 1 32 |
| 6 | 0 24 | 0 31 | 0 39 | 0 46 | 0 53 | 1 0 | 1 7 | 1 14 | 1 21 | 1 27 | 1 34 |
| 7 | 0 26 | 0 33 | 0 41 | 0 48 | 0 55 | 1 2 | 1 9 | 1 16 | 1 23 | 1 29 | 1 36 |
| 8 | 0 27 | 0 35 | 0 42 | 0 50 | 0 57 | 1 4 | 1 11 | 1 18 | 1 25 | 1 31 | 1 38 |
| 9 | 0 29 | 0 37 | 0 44 | 0 52 | 0 59 | 1 6 | 1 13 | 1 20 | 1 27 | 1 33 | 1 40 |
| 10 | 0 31 | 0 39 | 0 46 | 0 54 | 1 1 | 1 8 | 1 15 | 1 22 | 1 29 | 1 35 | 1 42 |
| 11 | 0 33 | 0 41 | 0 48 | 0 56 | 1 3 | 1 10 | 1 17 | 1 24 | 1 31 | 1 37 | 1 44 |
| 12 | 0 34 | 0 42 | 0 50 | 0 58 | 1 5 | 1 12 | 1 19 | 1 26 | 1 33 | 1 40 | 1 46 |
| 13 | 0 36 | 0 44 | 0 52 | 1 0 | 1 7 | 1 14 | 1 21 | 1 28 | 1 35 | 1 42 | 1 49 |
| 14 | 0 38 | 0 46 | 0 54 | 1 2 | 1 9 | 1 16 | 1 23 | 1 30 | 1 37 | 1 44 | 1 51 |
| 15 | 0 40 | 0 48 | 0 56 | 1 4 | 1 11 | 1 18 | 1 25 | 1 33 | 1 39 | 1 46 | 1 53 |
| 16 | 0 42 | 0 50 | 0 58 | 1 6 | 1 13 | 1 20 | 1 28 | 1 35 | 1 42 | 1 49 | 1 55 |
| 17 | 0 44 | 0 52 | 1 0 | 1 8 | 1 15 | 1 23 | 1 30 | 1 37 | 1 44 | 1 51 | 1 58 |
| 18 | 0 46 | 0 54 | 1 2 | 1 10 | 1 18 | 1 25 | 1 32 | 1 39 | 1 46 | 1 53 | 2 0 |
| 19 | 0 48 | 0 56 | 1 4 | 1 12 | 1 20 | 1 27 | 1 34 | 1 41 | 1 49 | 1 55 | 2 3 |
| 20 | 0 50 | 0 58 | 1 7 | 1 14 | 1 22 | 1 29 | 1 37 | 1 44 | 1 51 | 1 58 | 2 5 |
| 21 | 0 52 | 1 1 | 1 9 | 1 16 | 1 24 | 1 32 | 1 39 | 1 46 | 1 53 | 2 0 | 2 7 |
| 22 | 0 54 | 1 3 | 1 11 | 1 19 | 1 26 | 1 34 | 1 41 | 1 49 | 1 56 | 2 3 | 2 9 |
| 23 | 0 57 | 1 5 | 1 13 | 1 21 | 1 29 | 1 36 | 1 44 | 1 51 | 1 58 | 2 5 | 2 12 |
| 24 | 0 59 | 1 7 | 1 15 | 1 23 | 1 31 | 1 38 | 1 46 | 1 53 | 2 1 | 2 7 | 2 14 |
| 25 | 1 1 | 1 10 | 1 18 | 1 26 | 1 34 | 1 41 | 1 49 | 1 56 | 2 3 | 2 10 | 2 17 |
| 26 | 1 3 | 1 12 | 1 20 | 1 28 | 1 36 | 1 44 | 1 51 | 1 59 | 2 6 | 2 13 | 2 20 |
| 27 | 1 6 | 1 14 | 1 23 | 1 30 | 1 39 | 1 46 | 1 54 | 2 1 | 2 8 | 2 15 | 2 22 |
| 28 | 1 8 | 1 17 | 1 25 | 1 33 | 1 41 | 1 49 | 1 57 | 2 4 | 2 11 | 2 18 | 2 25 |
| 29 | 1 10 | 1 19 | 1 28 | 1 36 | 1 44 | 1 52 | 1 59 | 2 7 | 2 14 | 2 21 | 2 28 |
| 30 | 1 13 | 1 22 | 1 30 | 1 39 | 1 46 | 1 54 | 2 2 | 2 9 | 2 17 | 2 24 | 2 30 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♊. | | | | | | | | South Latitude ♊. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | 4 | | 3 | | 2 | | 1 | | 0 | | 1 | | 2 | |
| gr. | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ | h | ′ |
| 0 | 1 | 13 | 1 | 22 | 1 | 30 | 1 | 39 | 1 | 47 | 1 | 54 | 2 | 2 | 2 | 9 |
| 1 | 1 | 15 | 1 | 24 | 1 | 33 | 1 | 41 | 1 | 49 | 1 | 57 | 2 | 5 | 2 | 12 |
| 2 | 1 | 18 | 1 | 27 | 1 | 35 | 1 | 44 | 1 | 52 | 2 | 0 | 2 | 7 | 2 | 15 |
| 3 | 1 | 21 | 1 | 30 | 1 | 38 | 1 | 46 | 1 | 55 | 2 | 3 | 2 | 10 | 2 | 18 |
| 4 | 1 | 23 | 1 | 32 | 1 | 41 | 1 | 49 | 1 | 58 | 2 | 6 | 2 | 13 | 2 | 21 |
| 5 | 1 | 26 | 1 | 35 | 1 | 44 | 1 | 52 | 2 | 1 | 2 | 8 | 2 | 16 | 2 | 24 |
| 6 | 1 | 29 | 1 | 38 | 1 | 47 | 1 | 55 | 2 | 3 | 2 | 11 | 2 | 19 | 2 | 26 |
| 7 | 1 | 32 | 1 | 41 | 1 | 50 | 1 | 58 | 2 | 6 | 2 | 14 | 2 | 22 | 2 | 29 |
| 8 | 1 | 34 | 1 | 44 | 1 | 53 | 2 | 1 | 2 | 9 | 2 | 17 | 2 | 25 | 2 | 33 |
| 9 | 1 | 37 | 1 | 47 | 1 | 56 | 2 | 4 | 2 | 12 | 2 | 21 | 2 | 28 | 2 | 36 |
| 10 | 1 | 40 | 1 | 50 | 1 | 59 | 2 | 7 | 2 | 16 | 2 | 24 | 2 | 31 | 2 | 39 |
| 11 | 1 | 43 | 1 | 53 | 2 | 2 | 2 | 11 | 2 | 19 | 2 | 27 | 2 | 34 | 2 | 42 |
| 12 | 1 | 47 | 1 | 56 | 2 | 5 | 2 | 14 | 2 | 22 | 2 | 30 | 2 | 38 | 2 | 45 |
| 13 | 1 | 50 | 1 | 59 | 2 | 8 | 2 | 17 | 2 | 25 | 2 | 33 | 2 | 41 | 2 | 49 |
| 14 | 1 | 53 | 2 | 3 | 2 | 12 | 2 | 20 | 2 | 29 | 2 | 37 | 2 | 45 | 2 | 52 |
| 15 | 1 | 56 | 2 | 6 | 2 | 15 | 2 | 24 | 2 | 32 | 2 | 40 | 2 | 48 | 2 | 56 |
| 16 | 2 | 0 | 2 | 10 | 2 | 19 | 2 | 27 | 2 | 36 | 2 | 44 | 2 | 52 | 2 | 59 |
| 17 | 2 | 3 | 2 | 13 | 2 | 22 | 2 | 31 | 2 | 39 | 2 | 47 | 2 | 55 | 3 | 3 |
| 18 | 2 | 7 | 2 | 17 | 2 | 26 | 2 | 34 | 2 | 43 | 2 | 51 | 2 | 59 | 3 | 6 |
| 19 | 2 | 11 | 2 | 20 | 2 | 29 | 2 | 38 | 2 | 47 | 2 | 55 | 3 | 3 | 3 | 10 |
| 20 | 2 | 14 | 2 | 24 | 2 | 33 | 2 | 42 | 2 | 50 | 2 | 58 | 3 | 6 | 3 | 14 |
| 21 | 2 | 18 | 2 | 28 | 2 | 37 | 2 | 46 | 2 | 54 | 3 | 2 | 3 | 10 | 3 | 17 |
| 22 | 2 | 22 | 2 | 32 | 2 | 41 | 2 | 49 | 2 | 58 | 3 | 6 | 3 | 14 | 3 | 21 |
| 23 | 2 | 26 | 2 | 36 | 2 | 45 | 2 | 53 | 3 | 2 | 3 | 10 | 3 | 18 | 3 | 25 |
| 24 | 2 | 30 | 2 | 40 | 2 | 49 | 2 | 57 | 3 | 6 | 3 | 14 | 3 | 22 | 3 | 29 |
| 25 | 2 | 34 | 2 | 44 | 2 | 53 | 3 | 2 | 3 | 10 | 3 | 18 | 3 | 26 | 3 | 33 |
| 26 | 2 | 38 | 2 | 48 | 2 | 57 | 3 | 6 | 3 | 14 | 3 | 22 | 3 | 30 | 3 | 37 |
| 27 | 2 | 42 | 2 | 52 | 3 | 1 | 3 | 10 | 3 | 18 | 3 | 26 | 3 | 34 | 3 | 41 |
| 28 | 2 | 47 | 2 | 56 | 3 | 6 | 3 | 14 | 3 | 22 | 3 | 30 | 3 | 38 | 3 | 45 |
| 29 | 2 | 51 | 3 | 1 | 3 | 10 | 3 | 19 | 3 | 27 | 3 | 35 | 3 | 42 | 3 | 49 |
| 30 | 2 | 56 | 3 | 5 | 3 | 14 | 3 | 23 | 3 | 31 | 3 | 39 | 3 | 47 | 3 | 53 |

| | 3 | | 4 | | 5 | |
|---|---|---|---|---|---|---|
| gr. | h | ′ | h | ′ | h | ′ |
| 0 | 2 | 16 | 2 | 24 | 2 | 30 |
| 1 | 2 | 19 | 2 | 26 | 2 | 33 |
| 2 | 2 | 22 | 2 | 29 | 2 | 36 |
| 3 | 2 | 25 | 2 | 32 | 2 | 39 |
| 4 | 2 | 28 | 2 | 35 | 2 | 42 |
| 5 | 2 | 31 | 2 | 38 | 2 | 45 |
| 6 | 2 | 34 | 2 | 41 | 2 | 48 |
| 7 | 2 | 37 | 2 | 44 | 2 | 51 |
| 8 | 2 | 40 | 2 | 47 | 2 | 54 |
| 9 | 2 | 43 | 2 | 50 | 2 | 57 |
| 10 | 2 | 46 | 2 | 53 | 3 | 0 |
| 11 | 2 | 49 | 2 | 57 | 3 | 4 |
| 12 | 2 | 53 | 3 | 0 | 3 | 7 |
| 13 | 2 | 56 | 3 | 3 | 3 | 10 |
| 14 | 3 | 0 | 3 | 7 | 3 | 14 |
| 15 | 3 | 3 | 3 | 10 | 3 | 17 |
| 16 | 3 | 7 | 3 | 14 | 3 | 21 |
| 17 | 3 | 10 | 3 | 17 | 3 | 24 |
| 18 | 3 | 14 | 3 | 21 | 3 | 28 |
| 19 | 3 | 17 | 3 | 24 | 3 | 31 |
| 20 | 3 | 21 | 3 | 28 | 3 | 35 |
| 21 | 3 | 25 | 3 | 32 | 3 | 39 |
| 22 | 3 | 28 | 3 | 36 | 3 | 42 |
| 23 | 3 | 32 | 3 | 39 | 3 | 46 |
| 24 | 3 | 36 | 3 | 43 | 3 | 50 |
| 25 | 3 | 40 | 3 | 47 | 3 | 54 |
| 26 | 3 | 44 | 3 | 51 | 3 | 58 |
| 27 | 3 | 48 | 3 | 55 | 4 | 2 |
| 28 | 3 | 53 | 3 | 59 | 4 | 6 |
| 29 | 3 | 57 | 4 | 4 | 4 | 10 |
| 30 | 4 | 14 | 4 | 8 | 4 | 15 |

## *A Table of Oblique Ascensions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♋. | | | | | | South Latitude ♋. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 2 56 | 3 5 | 3 14 | 3 23 | 3 31 | 3 39 | 3 47 | 3 54 | 4 1 | 4 8 | 4 15 |
| 1 | 3 0 | 3 10 | 3 19 | 3 27 | 3 36 | 3 43 | 3 51 | 3 58 | 4 5 | 4 12 | 4 19 |
| 2 | 3 5 | 3 14 | 3 23 | 3 32 | 3 40 | 3 48 | 3 55 | 4 3 | 4 10 | 4 17 | 4 23 |
| 3 | 3 9 | 3 19 | 3 28 | 3 37 | 3 45 | 3 52 | 4 0 | 4 7 | 4 14 | 4 21 | 4 27 |
| 4 | 3 14 | 3 24 | 3 33 | 3 41 | 3 49 | 3 57 | 4 4 | 4 12 | 4 19 | 4 25 | 4 32 |
| 5 | 3 19 | 3 29 | 3 38 | 3 46 | 3 54 | 4 2 | 4 9 | 4 16 | 4 23 | 4 30 | 4 36 |
| 6 | 3 24 | 3 34 | 3 42 | 3 51 | 3 59 | 4 6 | 4 14 | 4 21 | 4 28 | 4 34 | 4 41 |
| 7 | 3 29 | 3 39 | 3 47 | 3 55 | 4 3 | 4 11 | 4 18 | 4 25 | 4 32 | 4 39 | 4 45 |
| 8 | 3 34 | 3 44 | 3 52 | 4 0 | 4 8 | 4 16 | 4 23 | 4 30 | 4 37 | 4 43 | 4 50 |
| 9 | 3 39 | 3 48 | 3 57 | 4 5 | 4 13 | 4 21 | 4 28 | 4 35 | 4 41 | 4 48 | 4 54 |
| 10 | 3 45 | 3 54 | 4 2 | 4 10 | 4 18 | 4 25 | 4 33 | 4 40 | 4 46 | 4 53 | 4 59 |
| 11 | 3 50 | 3 59 | 4 7 | 4 15 | 4 23 | 4 30 | 4 38 | 4 44 | 4 51 | 4 57 | 5 4 |
| 12 | 3 55 | 4 4 | 4 13 | 4 20 | 4 28 | 4 35 | 4 42 | 4 49 | 4 56 | 5 2 | 5 8 |
| 13 | 4 1 | 4 10 | 4 18 | 4 26 | 4 33 | 4 40 | 4 48 | 4 54 | 5 1 | 5 7 | 5 13 |
| 14 | 4 6 | 4 15 | 4 23 | 4 31 | 4 38 | 4 45 | 4 52 | 4 59 | 5 6 | 5 12 | 5 18 |
| 15 | 4 12 | 4 20 | 4 28 | 4 36 | 4 44 | 4 51 | 4 57 | 5 4 | 5 10 | 5 17 | 5 23 |
| 16 | 4 17 | 4 26 | 4 34 | 4 41 | 4 49 | 4 56 | 5 2 | 5 9 | 5 15 | 5 22 | 5 28 |
| 17 | 4 23 | 4 31 | 4 39 | 4 47 | 4 54 | 5 1 | 5 8 | 5 14 | 5 20 | 5 27 | 5 33 |
| 18 | 4 29 | 4 37 | 4 45 | 4 52 | 4 59 | 5 6 | 5 13 | 5 19 | 5 25 | 5 32 | 5 37 |
| 19 | 4 34 | 4 43 | 4 50 | 4 58 | 5 5 | 5 12 | 5 18 | 5 24 | 5 31 | 5 37 | 5 42 |
| 20 | 4 40 | 4 48 | 4 56 | 5 3 | 5 10 | 5 17 | 5 23 | 5 30 | 5 36 | 5 42 | 5 47 |
| 21 | 4 46 | 4 54 | 5 1 | 5 9 | 5 16 | 5 22 | 5 29 | 5 35 | 5 41 | 5 47 | 5 52 |
| 22 | 4 52 | 5 0 | 5 7 | 5 14 | 5 21 | 5 28 | 5 34 | 5 40 | 5 46 | 5 52 | 5 57 |
| 23 | 4 58 | 5 5 | 5 13 | 5 20 | 5 27 | 5 33 | 5 39 | 5 45 | 5 51 | 5 57 | 6 3 |
| 24 | 5 4 | 5 11 | 5 18 | 5 25 | 5 32 | 5 39 | 5 45 | 5 51 | 5 56 | 6 2 | 6 8 |
| 25 | 5 10 | 5 17 | 5 24 | 5 31 | 5 38 | 5 44 | 5 50 | 5 56 | 6 2 | 6 7 | 6 13 |
| 26 | 5 16 | 5 23 | 5 30 | 5 37 | 5 43 | 5 49 | 5 56 | 6 1 | 6 7 | 6 13 | 6 18 |
| 27 | 5 22 | 5 29 | 5 36 | 5 42 | 5 49 | 5 55 | 6 1 | 6 7 | 6 13 | 6 18 | 6 23 |
| 28 | 5 28 | 5 35 | 5 42 | 5 48 | 5 54 | 6 1 | 6 7 | 6 12 | 6 18 | 6 23 | 6 28 |
| 29 | 5 34 | 5 41 | 5 48 | 5 54 | 6 0 | 6 6 | 6 12 | 6 18 | 6 23 | 6 29 | 6 33 |
| 30 | 5 40 | 5 47 | 5 53 | 6 0 | 6 6 | 6 12 | 6 18 | 6 23 | 6 29 | 6 34 | 6 38 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♌. | | | | | | South Latitude ♌. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 5 40 | 5 47 | 5 53 | 6 0 | 6 6 | 6 12 | 6 18 | 6 23 | 6 29 | 6 34 | 6 37 |
| 1 | 5 46 | 5 53 | 5 59 | 6 6 | 6 12 | 6 18 | 6 23 | 6 29 | 6 34 | 6 39 | 6 44 |
| 2 | 5 52 | 5 59 | 6 5 | 6 11 | 6 17 | 6 23 | 6 29 | 6 34 | 6 39 | 6 45 | 6 50 |
| 3 | 5 58 | 6 5 | 6 11 | 6 17 | 6 23 | 6 29 | 6 34 | 6 40 | 6 45 | 6 50 | 6 55 |
| 4 | 6 4 | 6 11 | 6 17 | 6 23 | 6 29 | 6 35 | 6 40 | 6 46 | 6 51 | 6 56 | 7 1 |
| 5 | 6 11 | 6 17 | 6 23 | 6 29 | 6 35 | 6 40 | 6 46 | 6 51 | 6 56 | 7 1 | 7 6 |
| 6 | 6 17 | 6 23 | 6 29 | 6 35 | 6 41 | 6 46 | 6 51 | 6 57 | 7 2 | 7 6 | 7 11 |
| 7 | 6 23 | 6 29 | 6 35 | 6 41 | 6 46 | 6 52 | 6 57 | 7 2 | 7 7 | 7 12 | 7 17 |
| 8 | 6 29 | 6 35 | 6 41 | 6 47 | 6 52 | 6 57 | 7 3 | 7 8 | 7 13 | 7 17 | 7 22 |
| 9 | 6 35 | 6 41 | 6 47 | 6 53 | 6 58 | 7 3 | 7 8 | 7 13 | 7 18 | 7 23 | 7 28 |
| 10 | 6 42 | 6 47 | 6 53 | 6 59 | 7 4 | 7 9 | 7 14 | 7 19 | 7 24 | 7 29 | 7 33 |
| 11 | 6 48 | 6 54 | 6 59 | 7 4 | 7 10 | 7 15 | 7 20 | 7 25 | 7 29 | 7 34 | 7 39 |
| 12 | 6 54 | 7 0 | 7 5 | 7 11 | 7 16 | 7 21 | 7 26 | 7 30 | 7 35 | 7 40 | 7 44 |
| 13 | 7 0 | 7 6 | 7 11 | 7 16 | 7 22 | 7 26 | 7 31 | 7 35 | 7 41 | 7 45 | 7 50 |
| 14 | 7 6 | 7 12 | 7 17 | 7 22 | 7 27 | 7 32 | 7 37 | 7 41 | 7 46 | 7 51 | 7 55 |
| 15 | 7 13 | 7 18 | 7 23 | 7 28 | 7 33 | 7 38 | 7 43 | 7 47 | 7 52 | 7 56 | 8 1 |
| 16 | 7 19 | 7 24 | 7 29 | 7 34 | 7 39 | 7 44 | 7 49 | 7 53 | 7 58 | 8 2 | 8 6 |
| 17 | 7 25 | 7 30 | 7 35 | 7 40 | 7 45 | 7 50 | 7 54 | 7 59 | 8 3 | 8 8 | 8 12 |
| 18 | 7 31 | 7 37 | 7 41 | 7 46 | 7 51 | 7 56 | 8 0 | 8 4 | 8 9 | 8 13 | 8 17 |
| 19 | 7 38 | 7 43 | 7 48 | 7 52 | 7 57 | 8 1 | 8 6 | 8 10 | 8 15 | 8 19 | 8 23 |
| 20 | 7 44 | 7 49 | 7 54 | 7 58 | 8 3 | 8 7 | 8 12 | 8 16 | 8 20 | 8 24 | 8 29 |
| 21 | 7 50 | 7 55 | 8 0 | 8 4 | 8 9 | 8 13 | 8 17 | 8 22 | 8 26 | 8 30 | 8 34 |
| 22 | 7 56 | 8 1 | 8 6 | 8 10 | 8 15 | 8 19 | 8 23 | 8 27 | 8 32 | 8 36 | 8 40 |
| 23 | 8 2 | 8 7 | 8 12 | 8 16 | 8 21 | 8 25 | 8 29 | 8 33 | 8 37 | 8 41 | 8 45 |
| 24 | 8 8 | 8 13 | 8 18 | 8 22 | 8 26 | 8 31 | 8 35 | 8 38 | 8 43 | 8 47 | 8 51 |
| 25 | 8 14 | 8 19 | 8 24 | 8 28 | 8 32 | 8 37 | 8 41 | 8 45 | 8 49 | 8 53 | 8 57 |
| 26 | 8 21 | 8 25 | 8 30 | 8 34 | 8 38 | 8 42 | 8 46 | 8 51 | 8 55 | 8 59 | 9 2 |
| 27 | 8 27 | 8 31 | 8 36 | 8 40 | 8 44 | 8 48 | 8 52 | 8 56 | 9 0 | 9 4 | 9 8 |
| 28 | 8 33 | 8 37 | 8 42 | 8 46 | 8 50 | 8 54 | 8 58 | 9 2 | 9 6 | 9 10 | 9 13 |
| 29 | 8 39 | 8 43 | 8 48 | 8 52 | 8 56 | 9 0 | 9 4 | 9 8 | 9 12 | 9 15 | 9 19 |
| 30 | 8 45 | 8 49 | 8 54 | 8 58 | 9 2 | 9 6 | 9 10 | 9 13 | 9 17 | 9 21 | 9 25 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♍. | | | | | | South Latitude ♍. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 8 45 | 8 49 | 8 54 | 8 58 | 9 1 | 9 6 | 9 10 | 9 13 | 9 17 | 9 21 | 9 25 |
| 1 | 8 51 | 8 55 | 9 0 | 9 4 | 9 8 | 9 12 | 9 15 | 9 19 | 9 23 | 9 27 | 9 30 |
| 2 | 8 57 | 9 2 | 9 6 | 9 10 | 9 13 | 9 17 | 9 21 | 9 25 | 9 29 | 9 32 | 9 36 |
| 3 | 9 3 | 9 8 | 9 12 | 9 15 | 9 19 | 9 23 | 9 27 | 9 31 | 9 34 | 9 38 | 9 42 |
| 4 | 9 10 | 9 14 | 9 18 | 9 21 | 9 25 | 9 28 | 9 33 | 9 36 | 9 40 | 9 44 | 9 47 |
| 5 | 9 16 | 9 20 | 9 24 | 9 27 | 9 31 | 9 35 | 9 39 | 9 42 | 9 46 | 9 49 | 9 53 |
| 6 | 9 22 | 9 26 | 9 29 | 9 33 | 9 37 | 9 41 | 9 44 | 9 48 | 9 52 | 9 55 | 9 59 |
| 7 | 9 28 | 9 32 | 9 35 | 9 39 | 9 43 | 9 47 | 9 50 | 9 54 | 9 57 | 10 1 | 10 4 |
| 8 | 9 34 | 9 38 | 9 41 | 9 45 | 9 49 | 9 52 | 9 56 | 10 0 | 10 3 | 10 7 | 10 10 |
| 9 | 9 40 | 9 44 | 9 47 | 9 51 | 9 55 | 9 58 | 10 2 | 10 5 | 10 9 | 10 12 | 10 16 |
| 10 | 9 46 | 9 50 | 9 53 | 9 57 | 10 1 | 10 4 | 10 8 | 10 11 | 10 15 | 10 18 | 10 22 |
| 11 | 9 52 | 9 55 | 9 59 | 10 3 | 10 6 | 10 10 | 10 13 | 10 17 | 10 20 | 10 24 | 10 27 |
| 12 | 9 58 | 10 1 | 10 5 | 10 10 | 10 12 | 10 16 | 10 19 | 10 23 | 10 26 | 10 30 | 10 33 |
| 13 | 10 4 | 10 7 | 10 11 | 10 15 | 10 18 | 10 22 | 10 25 | 10 28 | 10 32 | 10 35 | 10 39 |
| 14 | 10 10 | 10 13 | 10 17 | 10 20 | 10 24 | 10 27 | 10 31 | 10 34 | 10 38 | 10 41 | 10 44 |
| 15 | 10 16 | 10 19 | 10 23 | 10 26 | 10 30 | 10 33 | 10 37 | 10 40 | 10 43 | 10 47 | 10 50 |
| 16 | 10 21 | 10 25 | 10 29 | 10 32 | 10 35 | 10 39 | 10 42 | 10 46 | 10 49 | 10 52 | 10 56 |
| 17 | 10 27 | 10 31 | 10 34 | 10 39 | 10 41 | 10 45 | 10 48 | 10 51 | 10 55 | 10 58 | 11 1 |
| 18 | 10 33 | 10 37 | 10 40 | 10 44 | 10 47 | 10 50 | 10 54 | 10 57 | 11 1 | 11 4 | 11 7 |
| 19 | 10 39 | 10 42 | 10 46 | 10 50 | 10 53 | 10 56 | 11 0 | 11 3 | 11 6 | 11 10 | 11 13 |
| 20 | 10 45 | 10 49 | 10 52 | 10 55 | 10 59 | 11 2 | 11 5 | 11 9 | 11 12 | 11 15 | 11 19 |
| 21 | 10 51 | 10 54 | 10 58 | 11 1 | 11 5 | 11 8 | 11 11 | 11 15 | 11 18 | 11 21 | 11 25 |
| 22 | 10 57 | 11 0 | 11 4 | 11 7 | 11 10 | 11 14 | 11 17 | 11 20 | 11 24 | 11 27 | 11 30 |
| 23 | 11 3 | 11 6 | 11 10 | 11 13 | 11 16 | 11 20 | 11 23 | 11 25 | 11 29 | 11 33 | 11 36 |
| 24 | 11 9 | 11 12 | 11 15 | 11 19 | 11 22 | 11 25 | 11 29 | 11 32 | 11 35 | 11 38 | 11 43 |
| 25 | 11 14 | 11 18 | 11 21 | 11 24 | 11 28 | 11 31 | 11 34 | 11 38 | 11 41 | 11 44 | 11 48 |
| 26 | 11 20 | 11 24 | 11 27 | 11 30 | 11 34 | 11 37 | 11 40 | 11 44 | 11 47 | 11 50 | 11 53 |
| 27 | 11 26 | 11 29 | 11 33 | 11 36 | 11 39 | 11 43 | 11 46 | 11 49 | 11 52 | 11 56 | 11 59 |
| 28 | 11 32 | 11 35 | 11 39 | 11 42 | 11 45 | 11 48 | 11 52 | 11 55 | 11 58 | 12 2 | 12 5 |
| 29 | 11 38 | 11 41 | 11 44 | 11 48 | 11 51 | 11 54 | 11 57 | 12 1 | 12 4 | 12 7 | 12 11 |
| 30 | 11 43 | 11 47 | 11 50 | 11 53 | 11 57 | 12 0 | 12 3 | 12 7 | 12 10 | 12 13 | 12 17 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♎. | | | | | | South Latitude ♏. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 11 43 | 11 47 | 11 50 | 11 53 | 11 57 | 12 0 | 12 3 | 12 7 | 12 10 | 12 13 | 12 17 |
| 1 | 11 49 | 11 53 | 11 56 | 11 59 | 12 3 | 12 6 | 12 9 | 12 12 | 12 16 | 12 19 | 12 22 |
| 2 | 11 55 | 11 58 | 12 2 | 12 5 | 12 8 | 12 11 | 12 15 | 12 18 | 12 21 | 12 25 | 12 28 |
| 3 | 12 1 | 12 4 | 12 8 | 12 11 | 12 14 | 12 17 | 12 21 | 12 24 | 12 27 | 12 31 | 12 34 |
| 4 | 12 7 | 12 10 | 12 13 | 12 16 | 12 20 | 12 23 | 12 26 | 12 30 | 12 33 | 12 36 | 12 40 |
| 5 | 12 12 | 12 16 | 12 19 | 12 22 | 12 26 | 12 29 | 12 32 | 12 36 | 12 39 | 12 42 | 12 46 |
| 6 | 12 18 | 12 22 | 12 25 | 12 28 | 12 31 | 12 35 | 12 38 | 12 41 | 12 45 | 12 48 | 12 51 |
| 7 | 12 24 | 12 27 | 12 31 | 12 35 | 12 37 | 12 40 | 12 44 | 12 47 | 12 50 | 12 54 | 12 57 |
| 8 | 12 30 | 12 33 | 12 36 | 12 40 | 12 43 | 12 46 | 12 50 | 12 53 | 12 56 | 13 0 | 13 3 |
| 9 | 12 35 | 12 39 | 12 42 | 12 45 | 12 49 | 12 52 | 12 55 | 12 59 | 13 2 | 13 6 | 13 9 |
| 10 | 12 41 | 12 45 | 12 48 | 12 51 | 12 55 | 12 58 | 13 1 | 13 5 | 13 8 | 13 11 | 13 15 |
| 11 | 12 47 | 12 50 | 12 54 | 12 57 | 13 0 | 13 4 | 13 7 | 13 10 | 13 14 | 13 18 | 13 21 |
| 12 | 12 53 | 12 56 | 12 59 | 13 3 | 13 6 | 13 10 | 13 13 | 13 16 | 13 20 | 13 23 | 13 27 |
| 13 | 12 59 | 13 2 | 13 5 | 13 8 | 13 12 | 13 15 | 13 19 | 13 21 | 13 26 | 13 29 | 13 33 |
| 14 | 13 4 | 13 8 | 13 11 | 13 14 | 13 18 | 13 21 | 13 25 | 13 28 | 13 31 | 13 35 | 13 39 |
| 15 | 13 10 | 13 13 | 13 17 | 13 20 | 13 23 | 13 27 | 13 30 | 13 34 | 13 37 | 13 41 | 13 44 |
| 16 | 13 16 | 13 19 | 13 22 | 13 26 | 13 29 | 13 33 | 13 36 | 13 40 | 13 43 | 13 47 | 13 50 |
| 17 | 13 21 | 13 25 | 13 28 | 13 32 | 13 35 | 13 38 | 13 42 | 13 45 | 13 49 | 13 53 | 13 56 |
| 18 | 13 27 | 13 30 | 13 34 | 13 37 | 13 41 | 13 44 | 13 48 | 13 50 | 13 55 | 13 59 | 14 2 |
| 19 | 13 33 | 13 36 | 13 40 | 13 43 | 13 47 | 13 50 | 13 54 | 13 57 | 14 1 | 14 5 | 14 8 |
| 20 | 13 38 | 13 42 | 13 45 | 13 49 | 13 52 | 13 56 | 13 59 | 14 3 | 14 7 | 14 10 | 14 14 |
| 21 | 13 44 | 13 48 | 13 51 | 13 55 | 13 58 | 14 2 | 14 5 | 14 9 | 14 13 | 14 16 | 14 20 |
| 22 | 13 50 | 13 53 | 13 57 | 14 0 | 14 4 | 14 8 | 14 11 | 14 15 | 14 19 | 14 22 | 14 26 |
| 23 | 13 56 | 13 59 | 14 3 | 14 6 | 14 10 | 14 13 | 14 17 | 14 21 | 14 25 | 14 28 | 14 32 |
| 24 | 14 1 | 14 5 | 14 8 | 14 12 | 14 16 | 14 19 | 14 23 | 14 27 | 14 31 | 14 34 | 14 38 |
| 25 | 14 7 | 14 11 | 14 14 | 14 18 | 14 21 | 14 25 | 14 29 | 14 33 | 14 36 | 14 40 | 14 44 |
| 26 | 14 13 | 14 16 | 14 20 | 14 24 | 14 27 | 14 32 | 14 35 | 14 39 | 14 42 | 14 46 | 14 50 |
| 27 | 14 18 | 14 22 | 14 26 | 14 29 | 14 33 | 14 37 | 14 41 | 14 45 | 14 48 | 14 52 | 14 57 |
| 28 | 14 24 | 14 28 | 14 31 | 14 35 | 14 39 | 14 43 | 14 47 | 14 50 | 14 54 | 14 58 | 15 3 |
| 29 | 14 30 | 14 33 | 14 37 | 14 41 | 14 45 | 14 48 | 14 52 | 14 56 | 15 0 | 15 5 | 15 9 |
| 30 | 14 36 | 14 39 | 14 43 | 14 47 | 14 50 | 14 54 | 14 59 | 15 2 | 15 6 | 15 11 | 15 15 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♏ | | | | | | South Latitude ♏ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 14 35 | 14 39 | 14 43 | 14 47 | 14 50 | 14 54 | 14 58 | 15 2 | 15 6 | 15 11 | 15 15 |
| 1 | 14 41 | 14 45 | 14 48 | 14 52 | 14 56 | 15 0 | 15 4 | 15 8 | 15 12 | 15 17 | 15 21 |
| 2 | 14 47 | 14 50 | 14 54 | 14 58 | 15 2 | 15 6 | 15 10 | 15 14 | 15 18 | 15 23 | 15 27 |
| 3 | 14 52 | 14 56 | 15 0 | 15 4 | 15 8 | 15 12 | 15 16 | 15 20 | 15 24 | 15 29 | 15 33 |
| 4 | 14 58 | 15 2 | 15 5 | 15 9 | 15 14 | 15 18 | 15 22 | 15 26 | 15 30 | 15 35 | 15 39 |
| 5 | 15 3 | 15 7 | 15 11 | 15 15 | 15 19 | 15 23 | 15 28 | 15 32 | 15 36 | 15 41 | 15 46 |
| 6 | 15 9 | 15 13 | 15 17 | 15 22 | 15 25 | 15 29 | 15 34 | 15 38 | 15 42 | 15 47 | 15 52 |
| 7 | 15 15 | 15 19 | 15 23 | 15 27 | 15 31 | 15 35 | 15 39 | 15 44 | 15 48 | 15 53 | 15 58 |
| 8 | 15 20 | 15 24 | 15 28 | 15 33 | 15 37 | 15 41 | 15 45 | 15 50 | 15 54 | 15 59 | 16 4 |
| 9 | 15 26 | 15 30 | 15 34 | 15 38 | 15 43 | 15 47 | 15 51 | 15 56 | 16 0 | 16 5 | 16 10 |
| 10 | 15 31 | 15 36 | 15 40 | 15 44 | 15 48 | 15 53 | 15 57 | 16 2 | 16 6 | 16 11 | 16 16 |
| 11 | 15 37 | 15 41 | 15 45 | 15 50 | 15 54 | 15 59 | 16 3 | 16 8 | 16 12 | 16 17 | 16 22 |
| 12 | 15 43 | 15 47 | 15 51 | 15 56 | 16 0 | 16 4 | 16 9 | 16 14 | 16 19 | 16 23 | 16 29 |
| 13 | 15 48 | 15 52 | 15 57 | 16 1 | 16 6 | 16 10 | 16 15 | 16 20 | 16 25 | 16 30 | 16 35 |
| 14 | 15 54 | 15 58 | 16 2 | 16 7 | 16 11 | 16 16 | 16 21 | 16 26 | 16 31 | 16 36 | 16 41 |
| 15 | 15 59 | 16 4 | 16 8 | 16 13 | 16 17 | 16 22 | 16 27 | 16 32 | 16 37 | 16 42 | 16 47 |
| 16 | 16 5 | 16 9 | 16 14 | 16 19 | 16 23 | 16 28 | 16 33 | 16 38 | 16 43 | 16 48 | 16 54 |
| 17 | 16 10 | 16 15 | 16 19 | 16 25 | 16 29 | 16 34 | 16 38 | 16 44 | 16 49 | 16 54 | 17 0 |
| 18 | 16 16 | 16 20 | 16 25 | 16 30 | 16 34 | 16 39 | 16 44 | 16 49 | 16 55 | 17 0 | 17 6 |
| 19 | 16 21 | 16 26 | 16 31 | 16 35 | 16 40 | 16 45 | 16 50 | 16 56 | 17 1 | 17 6 | 17 12 |
| 20 | 16 27 | 16 31 | 16 36 | 16 41 | 16 46 | 16 51 | 16 56 | 17 1 | 17 7 | 17 13 | 17 18 |
| 21 | 16 32 | 16 37 | 16 42 | 16 47 | 16 52 | 16 57 | 17 2 | 17 7 | 17 13 | 17 19 | 17 25 |
| 22 | 16 38 | 16 43 | 16 47 | 16 52 | 16 57 | 17 3 | 17 8 | 17 13 | 17 19 | 17 25 | 17 31 |
| 23 | 16 43 | 16 48 | 16 53 | 16 58 | 17 3 | 17 8 | 17 14 | 17 19 | 17 25 | 17 31 | 17 37 |
| 24 | 16 49 | 16 54 | 16 58 | 17 3 | 17 9 | 17 14 | 17 19 | 17 25 | 17 31 | 17 37 | 17 43 |
| 25 | 16 54 | 16 59 | 17 4 | 17 9 | 17 14 | 17 20 | 17 25 | 17 31 | 17 37 | 17 43 | 17 49 |
| 26 | 16 59 | 17 4 | 17 9 | 17 14 | 17 20 | 17 25 | 17 31 | 17 37 | 17 43 | 17 49 | 17 56 |
| 27 | 17 5 | 17 10 | 17 15 | 17 20 | 17 26 | 17 31 | 17 37 | 17 43 | 17 49 | 17 55 | 18 2 |
| 28 | 17 10 | 17 15 | 17 21 | 17 26 | 17 31 | 17 37 | 17 43 | 17 49 | 17 55 | 18 1 | 18 8 |
| 29 | 17 16 | 17 21 | 17 26 | 17 31 | 17 37 | 17 42 | 17 48 | 17 54 | 18 1 | 18 7 | 18 14 |
| 30 | 17 21 | 17 26 | 17 31 | 17 37 | 17 42 | 17 48 | 17 54 | 18 0 | 18 7 | 18 13 | 18 20 |

## *A Table of Oblique Ascensions in Time, calculated to 5 degrees of North and South Latitude.*

| | North Latitude ↗. | | | | | | South Latitude ↗. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 17 21 | 17 26 | 17 31 | 17 37 | 17 42 | 17 48 | 17 54 | 18 0 | 18 7 | 18 13 | 18 20 |
| 1 | 17 26 | 17 31 | 17 37 | 17 42 | 17 48 | 17 54 | 18 0 | 18 6 | 18 12 | 18 19 | 18 26 |
| 2 | 17 31 | 17 37 | 17 42 | 17 48 | 17 53 | 17 59 | 18 6 | 18 12 | 18 18 | 18 25 | 18 32 |
| 3 | 17 37 | 17 42 | 17 47 | 17 53 | 17 59 | 18 5 | 18 11 | 18 18 | 18 24 | 18 31 | 18 38 |
| 4 | 17 42 | 17 47 | 17 53 | 17 59 | 18 4 | 18 11 | 18 17 | 18 23 | 18 30 | 18 37 | 18 44 |
| 5 | 17 47 | 17 53 | 17 58 | 18 4 | 18 10 | 18 16 | 18 22 | 18 29 | 18 36 | 18 43 | 18 50 |
| 6 | 17 52 | 17 58 | 18 4 | 18 9 | 18 15 | 18 21 | 18 28 | 18 35 | 18 42 | 18 49 | 18 56 |
| 7 | 17 57 | 18 3 | 18 9 | 18 15 | 18 21 | 18 27 | 18 33 | 18 40 | 18 47 | 18 55 | 19 2 |
| 8 | 18 3 | 18 8 | 18 14 | 18 20 | 18 26 | 18 32 | 18 39 | 18 46 | 18 53 | 19 0 | 19 8 |
| 9 | 18 8 | 18 13 | 18 19 | 18 25 | 18 31 | 18 38 | 18 44 | 18 51 | 18 59 | 19 6 | 19 14 |
| 10 | 18 13 | 18 18 | 18 24 | 18 30 | 18 37 | 18 43 | 18 50 | 18 57 | 19 4 | 19 12 | 19 20 |
| 11 | 18 18 | 18 23 | 18 29 | 18 36 | 18 42 | 18 48 | 18 55 | 19 2 | 19 10 | 19 17 | 19 26 |
| 12 | 18 23 | 18 28 | 18 35 | 18 41 | 18 47 | 18 54 | 19 1 | 19 8 | 19 15 | 19 23 | 19 31 |
| 13 | 18 27 | 18 33 | 18 40 | 18 46 | 18 52 | 18 59 | 19 6 | 19 13 | 19 21 | 19 29 | 19 37 |
| 14 | 18 32 | 18 38 | 18 45 | 18 51 | 18 58 | 19 4 | 19 11 | 19 19 | 19 26 | 19 34 | 19 43 |
| 15 | 18 37 | 18 43 | 18 50 | 18 56 | 19 3 | 19 9 | 19 16 | 19 24 | 19 32 | 19 40 | 19 48 |
| 16 | 18 42 | 18 48 | 18 54 | 19 1 | 19 8 | 19 15 | 19 22 | 19 29 | 19 37 | 19 45 | 19 54 |
| 17 | 18 47 | 18 53 | 18 59 | 19 6 | 19 12 | 19 20 | 19 27 | 19 34 | 19 42 | 19 50 | 19 59 |
| 18 | 18 52 | 18 58 | 19 4 | 19 11 | 19 18 | 19 25 | 19 32 | 19 40 | 19 47 | 19 56 | 20 5 |
| 19 | 18 56 | 19 3 | 19 9 | 19 16 | 19 22 | 19 30 | 19 37 | 19 45 | 19 53 | 20 1 | 20 10 |
| 20 | 19 1 | 19 7 | 19 14 | 19 20 | 19 27 | 19 35 | 19 42 | 19 50 | 19 58 | 20 6 | 20 15 |
| 21 | 19 6 | 19 12 | 19 19 | 19 25 | 19 32 | 19 39 | 19 47 | 19 55 | 20 3 | 20 12 | 20 21 |
| 22 | 19 10 | 19 17 | 19 23 | 19 30 | 19 37 | 19 44 | 19 52 | 20 0 | 20 8 | 20 16 | 20 26 |
| 23 | 19 15 | 19 21 | 19 28 | 19 35 | 19 42 | 19 49 | 19 57 | 20 5 | 20 13 | 20 21 | 20 31 |
| 24 | 19 19 | 19 26 | 19 32 | 19 39 | 19 46 | 19 54 | 20 1 | 20 9 | 20 18 | 20 26 | 20 36 |
| 25 | 19 24 | 19 30 | 19 37 | 19 44 | 19 51 | 19 58 | 20 6 | 20 14 | 20 22 | 20 31 | 20 41 |
| 26 | 19 28 | 19 35 | 19 41 | 19 48 | 19 56 | 20 3 | 20 11 | 20 19 | 20 27 | 20 36 | 20 46 |
| 27 | 19 33 | 19 39 | 19 46 | 19 53 | 20 0 | 20 8 | 20 15 | 20 23 | 20 32 | 20 41 | 20 51 |
| 28 | 19 37 | 19 43 | 19 50 | 19 57 | 20 5 | 20 12 | 20 20 | 20 28 | 20 37 | 20 46 | 20 55 |
| 29 | 19 41 | 19 48 | 19 55 | 20 2 | 20 9 | 20 17 | 20 24 | 20 33 | 20 41 | 20 50 | 21 0 |
| 30 | 19 45 | 19 52 | 19 59 | 20 6 | 20 13 | 20 21 | 20 29 | 20 37 | 20 46 | 20 55 | 21 4 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♈. | | | | | | South Latitude ♈. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 19 45 | 19 52 | 19 59 | 20 7 | 20 13 | 20 21 | 20 29 | 20 37 | 20 46 | 20 55 | 21 4 |
| 1 | 19 50 | 19 56 | 20 3 | 20 11 | 20 18 | 20 25 | 20 33 | 20 41 | 20 50 | 20 59 | 21 9 |
| 2 | 19 54 | 20 1 | 20 7 | 20 15 | 20 22 | 20 30 | 20 38 | 20 46 | 20 54 | 21 4 | 21 13 |
| 3 | 19 58 | 20 5 | 20 12 | 20 19 | 20 26 | 20 34 | 20 42 | 20 50 | 20 59 | 21 8 | 21 18 |
| 4 | 20 2 | 20 9 | 20 16 | 20 23 | 20 30 | 20 38 | 20 46 | 20 54 | 21 3 | 21 12 | 21 22 |
| 5 | 20 6 | 20 13 | 20 20 | 20 27 | 20 34 | 20 42 | 20 50 | 20 58 | 21 7 | 21 16 | 21 26 |
| 6 | 20 10 | 20 17 | 20 24 | 20 31 | 20 38 | 20 46 | 20 54 | 21 3 | 21 11 | 21 20 | 21 30 |
| 7 | 20 14 | 20 21 | 20 28 | 20 35 | 20 42 | 20 50 | 20 58 | 21 7 | 21 15 | 21 24 | 21 34 |
| 8 | 20 18 | 20 24 | 20 32 | 20 39 | 20 46 | 20 54 | 21 2 | 21 11 | 21 19 | 21 28 | 21 38 |
| 9 | 20 21 | 20 28 | 20 35 | 20 43 | 20 50 | 20 58 | 21 6 | 21 14 | 21 23 | 21 32 | 21 42 |
| 10 | 20 25 | 20 32 | 20 39 | 20 46 | 20 54 | 21 2 | 21 10 | 21 18 | 21 27 | 21 36 | 21 46 |
| 11 | 20 29 | 20 36 | 20 43 | 20 50 | 20 57 | 21 5 | 21 13 | 21 22 | 21 31 | 21 40 | 21 49 |
| 12 | 20 32 | 20 39 | 20 46 | 20 54 | 21 1 | 21 9 | 21 17 | 21 26 | 21 34 | 21 43 | 21 53 |
| 13 | 20 36 | 20 43 | 20 50 | 20 57 | 21 5 | 21 13 | 21 21 | 21 29 | 21 38 | 21 47 | 21 57 |
| 14 | 20 39 | 20 46 | 20 53 | 21 1 | 21 8 | 21 16 | 21 24 | 21 33 | 21 41 | 21 50 | 22 0 |
| 15 | 20 43 | 20 50 | 20 57 | 21 4 | 21 12 | 21 20 | 21 28 | 21 36 | 21 45 | 21 54 | 22 4 |
| 16 | 20 46 | 20 53 | 21 0 | 21 8 | 21 15 | 21 23 | 21 31 | 21 40 | 21 48 | 21 57 | 22 7 |
| 17 | 20 50 | 20 57 | 21 4 | 21 11 | 21 19 | 21 27 | 21 35 | 21 43 | 21 52 | 22 1 | 22 10 |
| 18 | 20 53 | 21 0 | 21 7 | 21 15 | 21 22 | 21 30 | 21 38 | 21 46 | 21 55 | 22 4 | 22 13 |
| 19 | 20 56 | 21 3 | 21 11 | 21 18 | 21 26 | 21 33 | 21 41 | 21 49 | 21 58 | 22 7 | 22 17 |
| 20 | 21 0 | 21 7 | 21 14 | 21 21 | 21 29 | 21 36 | 21 44 | 21 53 | 22 1 | 22 10 | 22 20 |
| 21 | 21 3 | 21 10 | 21 17 | 21 24 | 21 32 | 21 39 | 21 48 | 21 56 | 22 4 | 22 13 | 22 23 |
| 22 | 21 6 | 21 13 | 21 20 | 21 27 | 21 35 | 21 43 | 21 51 | 21 59 | 22 7 | 22 16 | 22 26 |
| 23 | 21 9 | 21 16 | 21 23 | 21 31 | 21 38 | 21 46 | 21 54 | 22 2 | 22 10 | 22 19 | 22 29 |
| 24 | 21 12 | 21 19 | 21 26 | 21 34 | 21 41 | 21 49 | 21 57 | 22 5 | 22 13 | 22 22 | 22 31 |
| 25 | 21 15 | 21 22 | 21 29 | 21 36 | 21 44 | 21 52 | 21 59 | 22 8 | 22 16 | 22 25 | 22 34 |
| 26 | 21 18 | 21 25 | 21 32 | 21 39 | 21 47 | 21 54 | 22 2 | 22 11 | 22 19 | 22 27 | 22 37 |
| 27 | 21 21 | 21 28 | 21 35 | 21 42 | 21 50 | 21 57 | 22 5 | 22 14 | 22 22 | 22 30 | 22 39 |
| 28 | 21 24 | 21 31 | 21 38 | 21 45 | 21 53 | 22 0 | 22 8 | 22 16 | 22 25 | 22 33 | 22 42 |
| 29 | 21 27 | 21 34 | 21 41 | 21 48 | 21 55 | 22 3 | 22 11 | 22 19 | 22 27 | 22 36 | 22 45 |
| 30 | 21 30 | 21 36 | 21 44 | 21 51 | 21 58 | 22 6 | 22 13 | 22 21 | 22 30 | 22 38 | 22 48 |

## *A Table of Oblique Aſcenſions in Time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♒. | | | | | | South Latitude ♒. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 21 30 | 21 36 | 21 43 | 21 51 | 21 58 | 22 6 | 22 13 | 22 21 | 22 30 | 22 38 | 22 48 |
| 1 | 21 32 | 21 39 | 21 46 | 21 53 | 22 1 | 22 8 | 22 16 | 22 24 | 22 32 | 22 41 | 22 50 |
| 2 | 21 35 | 21 42 | 21 49 | 21 56 | 22 3 | 22 11 | 22 19 | 22 27 | 22 35 | 22 43 | 22 52 |
| 3 | 21 38 | 21 45 | 21 52 | 21 59 | 22 6 | 22 14 | 22 21 | 22 30 | 22 37 | 22 46 | 22 54 |
| 4 | 21 40 | 21 47 | 21 54 | 22 1 | 22 9 | 22 16 | 22 24 | 22 32 | 22 40 | 22 48 | 22 57 |
| 5 | 21 43 | 21 50 | 21 57 | 22 4 | 22 11 | 22 19 | 22 26 | 22 34 | 22 42 | 22 50 | 22 59 |
| 6 | 21 46 | 21 53 | 21 59 | 22 7 | 22 14 | 22 22 | 22 29 | 22 37 | 22 45 | 22 53 | 23 1 |
| 7 | 21 48 | 21 55 | 22 2 | 22 9 | 22 16 | 22 24 | 22 31 | 22 39 | 22 47 | 22 55 | 23 3 |
| 8 | 21 51 | 21 57 | 22 4 | 22 11 | 22 19 | 22 26 | 22 34 | 22 41 | 22 49 | 22 57 | 23 6 |
| 9 | 21 53 | 22 0 | 22 7 | 22 14 | 22 21 | 22 28 | 22 36 | 22 44 | 22 51 | 22 59 | 23 8 |
| 10 | 21 55 | 22 2 | 22 9 | 22 16 | 22 23 | 22 31 | 22 38 | 22 46 | 22 53 | 23 2 | 23 10 |
| 11 | 21 58 | 22 5 | 22 11 | 22 19 | 22 26 | 22 33 | 22 40 | 22 48 | 22 56 | 23 4 | 23 12 |
| 12 | 22 0 | 22 7 | 22 14 | 22 21 | 22 28 | 22 35 | 22 42 | 22 50 | 22 58 | 23 6 | 23 14 |
| 13 | 22 2 | 22 9 | 22 16 | 22 23 | 22 30 | 22 37 | 22 45 | 22 52 | 23 0 | 23 8 | 23 16 |
| 14 | 22 5 | 22 11 | 22 18 | 22 25 | 22 32 | 22 40 | 22 47 | 22 54 | 23 2 | 23 10 | 23 18 |
| 15 | 22 7 | 22 14 | 22 21 | 22 27 | 22 35 | 22 42 | 22 49 | 22 56 | 23 4 | 23 12 | 23 20 |
| 16 | 22 9 | 22 16 | 22 23 | 22 30 | 22 37 | 22 44 | 22 51 | 22 58 | 23 6 | 23 14 | 23 22 |
| 17 | 22 11 | 22 18 | 22 25 | 22 32 | 22 39 | 22 46 | 22 53 | 23 0 | 23 8 | 23 16 | 23 24 |
| 18 | 22 14 | 22 20 | 22 27 | 22 34 | 22 41 | 22 48 | 22 55 | 23 2 | 23 10 | 23 18 | 23 26 |
| 19 | 22 16 | 22 23 | 22 29 | 22 36 | 22 43 | 22 50 | 22 57 | 23 4 | 23 12 | 23 19 | 23 27 |
| 20 | 22 18 | 22 25 | 22 31 | 22 38 | 22 45 | 22 52 | 22 59 | 23 6 | 23 14 | 23 21 | 23 29 |
| 21 | 22 20 | 22 27 | 22 33 | 22 40 | 22 47 | 22 54 | 23 1 | 23 8 | 23 16 | 23 23 | 23 31 |
| 22 | 22 22 | 22 29 | 22 35 | 22 42 | 22 49 | 22 56 | 23 3 | 23 10 | 23 18 | 23 25 | 23 33 |
| 23 | 22 24 | 22 31 | 22 37 | 22 44 | 22 51 | 22 58 | 23 5 | 23 12 | 23 19 | 23 27 | 23 34 |
| 24 | 22 26 | 22 33 | 22 39 | 22 46 | 22 53 | 23 0 | 23 7 | 23 14 | 23 21 | 23 29 | 23 36 |
| 25 | 22 28 | 22 35 | 22 41 | 22 48 | 22 55 | 23 2 | 23 9 | 23 16 | 23 23 | 23 30 | 23 38 |
| 26 | 22 30 | 22 37 | 22 43 | 22 50 | 22 57 | 23 4 | 23 11 | 23 18 | 23 25 | 23 32 | 23 40 |
| 27 | 22 32 | 22 39 | 22 45 | 22 52 | 22 59 | 23 6 | 23 13 | 23 20 | 23 27 | 23 34 | 23 41 |
| 28 | 22 34 | 22 41 | 22 47 | 22 54 | 23 1 | 23 8 | 23 14 | 23 21 | 23 28 | 23 36 | 23 43 |
| 29 | 22 36 | 22 42 | 22 49 | 22 56 | 23 2 | 23 9 | 23 16 | 23 23 | 23 30 | 23 37 | 23 45 |
| 30 | 22 38 | 22 44 | 22 51 | 22 58 | 23 4 | 23 11 | 23 18 | 23 25 | 23 32 | 23 39 | 23 46 |

## *A Table of Oblique Aſcenſions in time, calculated to 5 Degrees of North and South Latitude.*

| | North Latitude ♈. | | | | | | | South Latitude ♈. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 3 | 2 | 1 | 0 | | 1 | 2 | 3 | 4 | 5 |
| gr. | h ′ | h ′ | h ′ | h ′ | h ′ | h ′ | | h ′ | h ′ | h ′ | h ′ | h ′ |
| 0 | 22 38 | 22 44 | 22 51 | 22 57 | 23 4 | 23 11 | | 23 18 | 23 25 | 23 32 | 23 39 | 23 46 |
| 1 | 22 40 | 22 46 | 22 53 | 22 59 | 23 6 | 23 13 | | 23 20 | 23 27 | 23 34 | 23 41 | 23 48 |
| 2 | 22 42 | 22 48 | 22 55 | 23 1 | 23 8 | 23 15 | | 23 22 | 23 28 | 23 35 | 23 42 | 23 50 |
| 3 | 22 44 | 22 50 | 22 56 | 23 3 | 23 10 | 23 17 | | 23 23 | 23 30 | 23 37 | 23 44 | 23 51 |
| 4 | 22 45 | 22 52 | 22 58 | 23 5 | 23 11 | 23 18 | | 23 25 | 23 32 | 23 39 | 23 46 | 23 53 |
| 5 | 22 47 | 22 53 | 23 0 | 23 7 | 23 13 | 23 20 | | 23 27 | 23 34 | 23 40 | 23 47 | 23 54 |
| 6 | 22 49 | 22 55 | 23 2 | 23 8 | 23 15 | 23 22 | | 23 28 | 23 35 | 23 42 | 23 49 | 23 56 |
| 7 | 22 51 | 22 57 | 23 4 | 23 10 | 23 17 | 23 23 | | 23 30 | 23 37 | 23 44 | 23 51 | 23 58 |
| 8 | 22 52 | 22 59 | 23 5 | 23 12 | 23 18 | 23 25 | | 23 32 | 23 39 | 23 45 | 23 52 | 23 59 |
| 9 | 22 54 | 23 0 | 23 7 | 23 13 | 23 20 | 23 27 | | 23 33 | 23 40 | 23 47 | 23 54 | 0 1 |
| 10 | 22 56 | 23 2 | 23 9 | 23 15 | 23 22 | 23 28 | | 23 35 | 23 42 | 23 48 | 23 55 | 0 2 |
| 11 | 22 58 | 23 4 | 23 10 | 23 17 | 23 24 | 23 30 | | 23 37 | 23 43 | 23 50 | 23 57 | 0 4 |
| 12 | 22 59 | 23 6 | 23 12 | 23 19 | 23 25 | 23 32 | | 23 38 | 23 45 | 23 52 | 23 58 | 0 5 |
| 13 | 23 1 | 23 7 | 23 14 | 23 20 | 23 27 | 23 33 | | 23 40 | 23 47 | 23 53 | 0 0 | 0 7 |
| 14 | 23 2 | 23 9 | 23 15 | 23 22 | 23 28 | 23 35 | | 23 41 | 23 48 | 23 55 | 0 2 | 0 8 |
| 15 | 23 4 | 23 10 | 23 17 | 23 23 | 23 30 | 23 37 | | 23 43 | 23 50 | 23 56 | 0 3 | 0 10 |
| 16 | 23 6 | 23 12 | 23 18 | 23 25 | 23 32 | 23 38 | | 23 45 | 23 51 | 23 58 | 0 5 | 0 11 |
| 17 | 23 7 | 23 14 | 23 20 | 23 27 | 23 33 | 23 40 | | 23 46 | 23 53 | 0 0 | 0 6 | 0 13 |
| 18 | 23 9 | 23 15 | 23 22 | 23 28 | 23 35 | 23 41 | | 23 48 | 23 55 | 0 1 | 0 8 | 0 14 |
| 19 | 23 10 | 23 17 | 23 23 | 23 30 | 23 37 | 23 43 | | 23 49 | 23 56 | 0 3 | 0 9 | 0 16 |
| 20 | 23 12 | 23 19 | 23 25 | 23 32 | 23 38 | 23 45 | | 23 51 | 23 58 | 0 4 | 0 11 | 0 17 |
| 21 | 23 13 | 23 20 | 23 27 | 23 33 | 23 40 | 23 46 | | 23 53 | 23 59 | 0 6 | 0 12 | 0 19 |
| 22 | 23 15 | 23 22 | 23 28 | 23 34 | 23 41 | 23 48 | | 23 54 | 0 1 | 0 7 | 0 14 | 0 21 |
| 23 | 23 17 | 23 23 | 23 30 | 23 36 | 23 43 | 23 49 | | 23 56 | 0 2 | 0 9 | 0 15 | 0 22 |
| 24 | 23 18 | 23 25 | 23 31 | 23 38 | 23 44 | 23 51 | | 23 57 | 0 4 | 0 10 | 0 17 | 0 24 |
| 25 | 23 20 | 23 27 | 23 33 | 23 39 | 23 46 | 23 52 | | 23 59 | 0 5 | 0 12 | 0 18 | 0 25 |
| 26 | 23 21 | 23 28 | 23 34 | 23 41 | 23 48 | 23 54 | | 24 0 | 0 7 | 0 13 | 0 20 | 0 27 |
| 27 | 23 23 | 23 30 | 23 36 | 23 43 | 23 49 | 23 56 | | 0 2 | 0 8 | 0 15 | 0 21 | 0 28 |
| 28 | 23 25 | 23 31 | 23 38 | 23 44 | 23 51 | 23 57 | | 0 3 | 0 10 | 0 16 | 0 23 | 0 30 |
| 29 | 23 26 | 23 33 | 23 39 | 23 46 | 23 52 | 23 59 | | 0 5 | 0 12 | 0 18 | 0 24 | 0 32 |
| 30 | 23 28 | 23 34 | 23 41 | 23 47 | 23 53 | 24 0 | | 0 6 | 0 13 | 0 19 | 0 26 | 0 33 |

A

# TABLE

OF

## *Logiſtical Logarithms*

For finding the Part

PROPORTIONAL:

Being applicable for reducing the Planets Places from the *Ephemerides* to any Hour and Minute of the Day: And alſo the Sun's Entrance into any of the Signs; and

For finding the true

LATITUDE,

AS ALSO

The Proſthapheresis and Parallax of the Planets; with ſeveral other things very uſeful and neceſſary for ſuch a VVork.

*LONDON*,

Printed in the Year MDCCII.

# *Tabula Logarithmorum Logiſticorum.*

| Motus | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 60 | 120 | 180 | 240 | 300 | 360 | 420 |
| " | T. | H. 0 . 0 | 0 24 | 0 48 | 1 12 | 1 36 | 2 0 | 2 24 | 2 48 |
| 0 | 0 | 000000 | 822185 | 852268 | 869897 | 882391 | 892082 | 900000 | 906695 |
| 1 | | 644370 | 822903 | 852648 | 870137 | 882571 | 892222 | 900120 | 906798 |
| 2 | | 674473 | 823609 | 853006 | 870377 | 882751 | 892370 | 900240 | 906901 |
| 3 | | 692082 | 824304 | 853360 | 870615 | 882931 | 892514 | 900360 | 907004 |
| 4 | | 704576 | 824988 | 853712 | 870851 | 883109 | 892657 | 900480 | 907106 |
| 5 | 2 | 714267 | 825661 | 854061 | 871087 | 883286 | 892800 | 900599 | 907208 |
| 6 | | 722185 | 826324 | 854407 | 871321 | 883463 | 892942 | 900718 | 907310 |
| 7 | | 728879 | 826977 | 854750 | 871554 | 883639 | 893083 | 900836 | 907412 |
| 8 | | 734679 | 827620 | 855091 | 871785 | 883815 | 893225 | 900954 | 907514 |
| 9 | | 739794 | 828255 | 855429 | 872016 | 883980 | 893365 | 901072 | 907615 |
| 10 | 4 | 744370 | 828879 | 855764 | 872244 | 884174 | 893506 | 901190 | 907716 |
| 11 | | 748509 | 829495 | 856097 | 872473 | 884337 | 893645 | 901307 | 907817 |
| 12 | | 752288 | 830103 | 856427 | 872700 | 884510 | 893785 | 901424 | 907918 |
| 13 | | 755764 | 830702 | 856755 | 872925 | 884682 | 893924 | 901540 | 908018 |
| 14 | | 758682 | 831293 | 857080 | 873150 | 884853 | 894063 | 901657 | 908110 |
| 15 | 6 | 761979 | 831876 | 857403 | 873373 | 885024 | 894201 | 901773 | 908219 |
| 16 | | 764782 | 832451 | 857723 | 873595 | 885194 | 894338 | 901887 | 908318 |
| 17 | | 767414 | 833019 | 858042 | 873816 | 885363 | 894476 | 902004 | 908418 |
| 18 | | 769897 | 833579 | 858358 | 874036 | 885532 | 894612 | 902119 | 908517 |
| 19 | | 772245 | 834132 | 858671 | 874254 | 885700 | 894749 | 902234 | 908616 |
| 20 | 8 | 774473 | 834679 | 858982 | 874473 | 885867 | 894885 | 902348 | 908715 |
| 21 | | 776592 | 835218 | 859092 | 874689 | 886034 | 895020 | 902462 | 908813 |
| 22 | | 778612 | 835751 | 859598 | 874905 | 886200 | 895155 | 902576 | 908912 |
| 23 | | 780542 | 836277 | 859903 | 875119 | 886365 | 895290 | 902689 | 909011 |
| 24 | | 782391 | 836798 | 860206 | 875333 | 886530 | 895424 | 902803 | 909108 |
| 25 | 10 | 784164 | 837311 | 860506 | 575545 | 886094 | 895558 | 902916 | 909206 |
| 26 | | 785867 | 837810 | 860805 | 875756 | 886858 | 895691 | 903028 | 909303 |
| 27 | | 787586 | 838322 | 861101 | 875967 | 887021 | 895824 | 903141 | 909400 |
| 28 | | 789085 | 838819 | 861396 | 876176 | 887183 | 895957 | 903253 | 909497 |
| 29 | | 790609 | 839309 | 861688 | 876384 | 887345 | 896089 | 903365 | 909594 |
| 30 | 12 | 792082 | 839794 | 861979 | 876592 | 887506 | 896221 | 903476 | 909691 |

# Tabula Logarithmorum Logisticorum.

| Motus | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 60 | 120 | 180 | 240 | 300 | 360 | 420 |
| ° | ′ | Hc. 0 | 0 24 | 0 48 | 1 12 | 1 36 | 2 0 | 2 24 | 2 48 |
| 30 | 12 | 792082 | 839794 | 861979 | 876592 | 887506 | 896221 | 903476 | 909691 |
| 31 | | 792506 | 840274 | 862263 | 876793 | 887667 | 896352 | 903587 | 909787 |
| 32 | | 794085 | 840748 | 862554 | 877003 | 887827 | 896403 | 903698 | 909883 |
| 33 | | 790221 | 841218 | 862839 | 877208 | 887986 | 896614 | 903809 | 909979 |
| 34 | | 797517 | 841682 | 863122 | 877411 | 888145 | 896744 | 903919 | 910075 |
| 35 | 14 | 798776 | 842142 | 863403 | 877612 | 888303 | 896874 | 904029 | 910171 |
| 36 | | 800002 | 842597 | 863682 | 877815 | 888461 | 897004 | 904139 | 910267 |
| 37 | | 801190 | 843047 | 863960 | 878016 | 888618 | 897133 | 904249 | 910361 |
| 38 | | 802348 | 843492 | 864235 | 878215 | 888774 | 897261 | 904358 | 910456 |
| 39 | | 803476 | 843933 | 864509 | 878414 | 888930 | 897390 | 904467 | 910551 |
| 40 | 16 | 804576 | 844370 | 864782 | 878612 | 889085 | 897517 | 904576 | 910645 |
| 41 | | 805648 | 844402 | 865052 | 878809 | 889240 | 897645 | 904684 | 910744 |
| 42 | | 806695 | 845230 | 865321 | 879004 | 889395 | 897772 | 904792 | 910834 |
| 43 | | 807716 | 845653 | 865588 | 879200 | 889548 | 897899 | 904900 | 910928 |
| 44 | | 808715 | 846073 | 865854 | 879394 | 889701 | 898025 | 905008 | 911021 |
| 45 | 18 | 809691 | 846488 | 866118 | 879588 | 889854 | 898152 | 905115 | 911115 |
| 46 | | 810645 | 846900 | 866380 | 879780 | 890006 | 898277 | 905222 | 911288 |
| 47 | | 811579 | 847308 | 866641 | 879972 | 890158 | 898403 | 905329 | 911301 |
| 48 | | 812494 | 847712 | 866921 | 880162 | 890308 | 898528 | 905536 | 911394 |
| 49 | | 813389 | 848112 | 867158 | 880353 | 890459 | 898652 | 905542 | 911487 |
| 50 | 20 | 814267 | 848509 | 867415 | 880542 | 890609 | 898776 | 905648 | 911579 |
| 51 | | 815127 | 848902 | 867665 | 880731 | 890759 | 898900 | 905754 | 911672 |
| 52 | | 815970 | 849291 | 867922 | 880918 | 890908 | 899024 | 905859 | 911764 |
| 53 | | 816797 | 849677 | 868174 | 881105 | 891056 | 899147 | 905965 | 911856 |
| 54 | | 817609 | 850060 | 868425 | 881290 | 891204 | 899270 | 906070 | 911947 |
| 55 | 22 | 818406 | 850439 | 868673 | 881476 | 891352 | 899392 | 906174 | 912039 |
| 56 | | 819188 | 850815 | 868921 | 881661 | 891499 | 899515 | 906279 | 912130 |
| 57 | | 819957 | 851188 | 869167 | 881844 | 891644 | 899636 | 906383 | 912221 |
| 58 | | 820712 | 851558 | 869412 | 882027 | 891791 | 899757 | 906487 | 912312 |
| 59 | | 821455 | 851924 | 869655 | 882209 | 891937 | 899879 | 906591 | 912403 |
| 60 | 24 | 822185 | 852288 | 869897 | 882391 | 892082 | 900000 | 906695 | 912494 |

Ta-

# *Tabula Logarithmorum Logisticorum.*

| Motus | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|
| | | 480 | 540 | 600 | 660 | 720 | 780 | 840 | 900 |
| ″ | T | H. 3. 12 | 3 3 6 | 4 0 4 | 24 | 4 48 | 5 12 | 5 36 | 6 0 |
| 0 | 0 | 912494 | 917609 | 922185 | 926324 | 930103 | 933579 | 936798 | 939794 |
| 1 | | 912584 | 917689 | 922257 | 926390 | 930163 | 933635 | 936849 | 939842 |
| 2 | | 912674 | 917770 | 922329 | 926455 | 930223 | 933690 | 936901 | 939890 |
| 3 | | 912764 | 917850 | 922401 | 926521 | 930283 | 933746 | 936952 | 939938 |
| 4 | | 912854 | 917929 | 922473 | 926586 | 930343 | 933801 | 937004 | 939986 |
| 5 | 2 | 912944 | 918009 | 922545 | 926652 | 930403 | 933857 | 937055 | 940034 |
| 6 | | 913033 | 918089 | 922617 | 926717 | 930463 | 933912 | 937107 | 940082 |
| 7 | | 913122 | 918168 | 922688 | 926782 | 930523 | 933967 | 937158 | 940130 |
| 8 | | 913212 | 918248 | 922760 | 926847 | 930583 | 934022 | 937209 | 940178 |
| 9 | | 913300 | 918327 | 922831 | 926912 | 930642 | 934077 | 937260 | 940226 |
| 10 | 4 | 913389 | 918406 | 922903 | 926977 | 930702 | 934132 | 937311 | 940274 |
| 11 | | 913478 | 918485 | 922974 | 927042 | 930761 | 934187 | 937363 | 940321 |
| 12 | | 913566 | 918564 | 923045 | 927107 | 930821 | 934242 | 937414 | 940369 |
| 13 | | 913654 | 918642 | 923116 | 927171 | 930880 | 934297 | 937465 | 940417 |
| 14 | | 913742 | 918721 | 923186 | 927236 | 930939 | 934352 | 937516 | 940464 |
| 15 | 6 | 913830 | 918799 | 923257 | 927300 | 930998 | 934406 | 937566 | 940512 |
| 16 | | 913918 | 918877 | 923328 | 927364 | 931057 | 934461 | 937617 | 940559 |
| 17 | | 914005 | 918955 | 923398 | 927428 | 931116 | 934516 | 937668 | 940607 |
| 18 | | 914093 | 919033 | 923468 | 927493 | 931175 | 934570 | 937715 | 940654 |
| 19 | | 914180 | 919111 | 923539 | 927557 | 931234 | 934624 | 937763 | 940701 |
| 20 | 8 | 914267 | 919188 | 923609 | 927620 | 931292 | 934679 | 937815 | 940748 |
| 21 | | 914353 | 919266 | 923679 | 927684 | 931351 | 934733 | 937870 | 940796 |
| 22 | | 914440 | 919343 | 923749 | 927748 | 931410 | 934787 | 937920 | 940843 |
| 23 | | 914526 | 919420 | 923818 | 927812 | 931478 | 934841 | 937971 | 940890 |
| 24 | | 914613 | 919498 | 923888 | 927875 | 931527 | 934895 | 938032 | 940937 |
| 25 | 20 | 914699 | 919574 | 923958 | 927939 | 931585 | 934949 | 938064 | 940984 |
| 26 | | 914785 | 919651 | 924027 | 928001 | 931643 | 935003 | 938121 | 941031 |
| 27 | | 914870 | 919728 | 924096 | 928065 | 931702 | 935057 | 938172 | 941078 |
| 28 | | 914956 | 919794 | 924166 | 928128 | 931760 | 935111 | 938221 | 941124 |
| 29 | | 915041 | 919881 | 924235 | 928192 | 931818 | 935164 | 938271 | 941171 |
| 30 | 12 | 915127 | 919957 | 924304 | 928255 | 931876 | 935218 | 938321 | 941218 |

# *Tabula Logarithmorum Logisticorum.*

| Motus | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|
| | | 480 | 540 | 600 | 660 | 720 | 780 | 840 | 900 |
| " | T | H 3. 12 | 3 36 | 4 0 | 4 24 | 4 48 | 5 12 | 5 36 | 6 0 |
| 30 | 12 | 915127 | 919957 | 924304 | 928255 | 931876 | 935218 | 938322 | 941218 |
| 31 | | 915212 | 920033 | 924373 | 928317 | 931931 | 935272 | 938371 | 941265 |
| 32 | | 915297 | 920109 | 624441 | 928380 | 931991 | 935325 | 938421 | 941311 |
| 33 | | 915381 | 920185 | 924510 | 928443 | 932049 | 935378 | 938471 | 941358 |
| 34 | | 915466 | 920261 | 924570 | 928506 | 932107 | 935431 | 938521 | 941404 |
| 35 | 14 | 915550 | 920336 | 924647 | 928568 | 932164 | 935485 | 938570 | 941451 |
| 36 | | 915635 | 920413 | 924715 | 928631 | 932222 | 935539 | 938620 | 941497 |
| 37 | | 915719 | 920487 | 924784 | 928693 | 932279 | 935592 | 938670 | 941544 |
| 38 | | 915803 | 920562 | 924852 | 928755 | 932337 | 935645 | 938719 | 941590 |
| 39 | | 915886 | 920637 | 924920 | 928817 | 932394 | 935698 | 938768 | 941636 |
| 40 | 16 | 915970 | 920712 | 924988 | 928879 | 932451 | 935751 | 938818 | 941682 |
| 41 | | 916053 | 920787 | 925055 | 928941 | 932508 | 935804 | 938867 | 941729 |
| 42 | | 916137 | 920873 | 925123 | 929003 | 932565 | 935857 | 938916 | 941775 |
| 43 | | 916220 | 920936 | 925191 | 929065 | 932622 | 935910 | 938966 | 941821 |
| 44 | | 916303 | 921011 | 925258 | 929127 | 932679 | 935962 | 939015 | 941867 |
| 45 | 18 | 916386 | 921085 | 925326 | 929189 | 932736 | 936015 | 939064 | 941913 |
| 46 | | 916468 | 921179 | 925393 | 929250 | 932792 | 936068 | 939113 | 941959 |
| 47 | | 916551 | 921233 | 925460 | 929312 | 932849 | 936120 | 939162 | 942005 |
| 48 | | 916633 | 921307 | 925527 | 929373 | 932906 | 936173 | 939211 | 942050 |
| 49 | | 916715 | 921381 | 925594 | 929434 | 932962 | 936225 | 939260 | 942096 |
| 50 | 20 | 916797 | 921455 | 925661 | 929495 | 933019 | 936277 | 939309 | 942142 |
| 51 | | 916879 | 921527 | 925728 | 929557 | 933075 | 936330 | 939357 | 942188 |
| 52 | | 916961 | 921603 | 925794 | 929618 | 933131 | 936382 | 939406 | 942233 |
| 53 | | 917042 | 921675 | 925861 | 929679 | 933188 | 936434 | 939455 | 942279 |
| 54 | | 917124 | 921748 | 925927 | 929739 | 933244 | 936486 | 939502 | 942324 |
| 55 | 22 | 917205 | 921821 | 925994 | 929800 | 933300 | 936538 | 939552 | 942370 |
| 56 | | 917286 | 921894 | 926060 | 929861 | 933356 | 936590 | 939600 | 942415 |
| 57 | | 917367 | 921967 | 926126 | 929922 | 933412 | 936642 | 939649 | 942461 |
| 58 | | 917448 | 922040 | 926192 | 929982 | 933468 | 936694 | 939697 | 942506 |
| 59 | | 917528 | 922112 | 926258 | 930042 | 933523 | 936746 | 939746 | 942550 |
| 60 | 24 | 917609 | 922185 | 926324 | 930103 | 933579 | 936798 | 939794 | 942597 |

# Tabula Logarithmorum Logisticorum.

| Motus | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | Motus | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 960 | 1020 | 1080 | 1140 | 1200 | 1260 | 1320 | | |
| " | T | H.6 24 | 6 48 | 7 12 | 7 36 | 8 0 | 8 24 | 8 48 | T | " |
| 0 | 0 | 942597 | 945280 | 947712 | 950060 | 952288 | 954407 | 956427 | 0 | 0 |
| 1 | | 942642 | 945272 | 947752 | 950098 | 952324 | 954441 | 956460 | | 1 |
| 2 | | 942687 | 945315 | 947792 | 950136 | 952360 | 954476 | 956493 | | 2 |
| 3 | | 942732 | 945357 | 947832 | 950174 | 952396 | 954510 | 956526 | | 3 |
| 4 | | 942777 | 945399 | 947873 | 950212 | 952432 | 954544 | 956558 | | 4 |
| 5 | 2 | 942822 | 945442 | 947913 | 950250 | 952468 | 954579 | 956591 | 2 | 5 |
| 6 | | 942867 | 945488 | 947953 | 950288 | 952504 | 954613 | 956624 | | 6 |
| 7 | | 942912 | 945527 | 947993 | 950326 | 952540 | 954647 | 956657 | | 7 |
| 8 | | 942957 | 945569 | 948033 | 950364 | 952576 | 954682 | 956689 | | 8 |
| 9 | | 943002 | 945611 | 948072 | 950402 | 952612 | 954716 | 956722 | | 9 |
| 10 | 4 | 943047 | 945653 | 948112 | 950439 | 952648 | 954750 | 956755 | 4 | 10 |
| 11 | | 943091 | 945695 | 948152 | 950478 | 952684 | 954784 | 956787 | | 11 |
| 12 | | 943136 | 945737 | 948192 | 950515 | 952720 | 954818 | 956820 | | 12 |
| 13 | | 943181 | 945790 | 948230 | 950553 | 952756 | 954852 | 956853 | | 13 |
| 14 | | 943225 | 945822 | 948271 | 950590 | 952791 | 954887 | 956885 | | 14 |
| 15 | 6 | 943270 | 945864 | 948311 | 950628 | 952827 | 954921 | 956918 | 6 | 15 |
| 16 | | 943314 | 945906 | 948351 | 950665 | 952863 | 954955 | 956950 | | 16 |
| 17 | | 943359 | 945947 | 948390 | 950703 | 952899 | 954989 | 956983 | | 17 |
| 18 | | 943403 | 945989 | 948430 | 950778 | 952934 | 955023 | 957015 | | 18 |
| 19 | | 943458 | 946031 | 948469 | 950778 | 952970 | 955057 | 957048 | | 19 |
| 20 | 8 | 943492 | 946073 | 948509 | 950815 | 953006 | 955091 | 957080 | 8 | 20 |
| 21 | | 943536 | 946115 | 948548 | 950853 | 953041 | 955125 | 957112 | | 21 |
| 22 | | 943581 | 946156 | 948588 | 950890 | 953077 | 955158 | 957145 | | 22 |
| 23 | | 943625 | 946198 | 948527 | 950928 | 953112 | 955192 | 957177 | | 23 |
| 24 | | 943669 | 946240 | 948667 | 950965 | 953148 | 955226 | 957210 | | 24 |
| 25 | 10 | 943713 | 946281 | 948706 | 951002 | 953183 | 955260 | 957242 | 10 | 25 |
| 26 | | 943757 | 946323 | 948745 | 951039 | 953219 | 955294 | 957274 | | 26 |
| 27 | | 943801 | 946364 | 948784 | 951076 | 953254 | 955327 | 957309 | | 27 |
| 28 | | 943845 | 946406 | 948824 | 951114 | 953289 | 955361 | 957339 | | 28 |
| 29 | | 943889 | 946447 | 948863 | 951151 | 953325 | 955395 | 957371 | | 29 |
| 30 | 12 | 943933 | 946488 | 948902 | 951188 | 953360 | 955429 | 957403 | 12 | 30 |

# *Tabula Logarithmorum Logisticorum.*

| Motus | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | Motus | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 960 | 1020 | 1080 | 1140 | 1200 | 1260 | 1320 | ' | |
| " | ' | H. 6 24 | 6 43 | 7 12 | 7 36 | 8 [illegible] | 8 24 | 8 48 | ' | " |
| 30 | 12 | 943933 | 946488 | 948902 | 951188 | 953360 | 955429 | 957403 | 2 | 30 |
| 31 | | 943977 | 946532 | 948941 | 951225 | 953395 | 955462 | 957445 | | 31 |
| 32 | | 944021 | 946571 | 948980 | 951262 | 953431 | 955495 | 957487 | | 32 |
| 33 | | 944064 | 946612 | 949019 | 951299 | 953466 | 955529 | 957529 | | 33 |
| 34 | | 944108 | 946654 | 949058 | 951336 | 953501 | 955562 | 957571 | | 34 |
| 35 | 14 | 944152 | 946697 | 949097 | 951373 | 953536 | 955597 | 957613 | 14 | 35 |
| 36 | | 944195 | 946736 | 949136 | 951410 | 953571 | 955630 | 957595 | | 36 |
| 37 | | 944249 | 946777 | 949175 | 951447 | 953607 | 955664 | 957628 | | 37 |
| 38 | | 944283 | 946818 | 949214 | 951484 | 953642 | 955697 | 957660 | | 38 |
| 39 | | 944326 | 946859 | 949253 | 951521 | 953677 | 955731 | 957692 | | 39 |
| 40 | 16 | 944370 | 946899 | 949291 | 951558 | 953712 | 955764 | 957723 | 16 | 40 |
| 41 | | 944413 | 946941 | 949330 | 951594 | 953747 | 955797 | 957755 | | 41 |
| 42 | | 944456 | 946982 | 949369 | 951631 | 953782 | 955831 | 957787 | | 42 |
| 43 | | 944500 | 947023 | 949408 | 951668 | 953817 | 955864 | 957819 | | 43 |
| 44 | | 944543 | 947064 | 949447 | 951705 | 953852 | 955897 | 957851 | | 44 |
| 45 | 18 | 944586 | 947105 | 949485 | 951741 | 953887 | 955931 | 957883 | 18 | 45 |
| 46 | | 944629 | 947145 | 949522 | 951778 | 953921 | 955964 | 957915 | | 46 |
| 47 | | 944673 | 947186 | 949560 | 951815 | 953956 | 955997 | 957946 | | 47 |
| 48 | | 944716 | 947227 | 949601 | 951851 | 953991 | 956030 | 957978 | | 48 |
| 49 | | 944759 | 947267 | 949639 | 951888 | 954026 | 956063 | 958010 | | 49 |
| 50 | 20 | 944802 | 947308 | 949677 | 951924 | 954061 | 956097 | 958042 | 20 | 50 |
| 51 | | 944845 | 947349 | 949716 | 951961 | 954095 | 956130 | 958073 | | 51 |
| 52 | | 944888 | 947389 | 949754 | 951997 | 954130 | 956163 | 958105 | | 52 |
| 53 | | 944930 | 947430 | 949793 | 952034 | 954165 | 956196 | 958137 | | 53 |
| 54 | | 944973 | 947470 | 949831 | 952070 | 954199 | 956229 | 958168 | | 54 |
| 55 | 22 | 945016 | 947511 | 949869 | 952106 | 954234 | 956262 | 958200 | 22 | 55 |
| 56 | | 945059 | 947551 | 949907 | 952143 | 954269 | 956295 | 958231 | | 56 |
| 57 | | 945102 | 947591 | 949946 | 952179 | 954303 | 956328 | 958263 | | 57 |
| 58 | | 945145 | 947631 | 949984 | 952215 | 954338 | 956361 | 958294 | | 58 |
| 59 | | 945187 | 947672 | 950022 | 952252 | 954372 | 956394 | 958326 | | 59 |
| 60 | 24 | 945230 | 947712 | 950060 | 952288 | 954407 | 956427 | 958358 | 24 | 60 |

# *Tabula Logarithmorum Logiſticorum.*

| Motus | | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|
| | | 1380 | 1440 | 1500 | 1560 | 1620 | 1680 | 1740 | 1800 |
| ″ | ′ | h. 9 12 | 9 36 | 10 0 | 10 24 | 10 48 | 11 12 | 11 36 | 12 0 |
| 0 | 0 | 958358 | 960206 | 961479 | 963682 | 965321 | 966901 | 968425 | 969897 |
| 1 | | 958389 | 960236 | 962008 | 963710 | 965348 | 966926 | 968449 | 969921 |
| 2 | | 958420 | 960266 | 962037 | 963738 | 965375 | 966952 | 968474 | 969945 |
| 3 | | 958452 | 960296 | 962065 | 963765 | 965401 | 966978 | 968499 | 969969 |
| 4 | | 958483 | 960326 | 962094 | 963793 | 965428 | 967004 | 968524 | 969993 |
| 5 | 2 | 958515 | 960356 | 962123 | 963821 | 965455 | 967030 | 968549 | 970017 |
| 6 | | 958546 | 960386 | 962152 | 963849 | 965482 | 967055 | 968574 | 970041 |
| 7 | | 958577 | 960416 | 962181 | 963875 | 965508 | 967081 | 968599 | 970065 |
| 8 | | 958608 | 960446 | 962210 | 963904 | 965535 | 967107 | 968624 | 970089 |
| 9 | | 958640 | 960476 | 962239 | 963932 | 965562 | 967133 | 968649 | 970113 |
| 10 | 4 | 958671 | 960506 | 962267 | 963960 | 965588 | 967158 | 968673 | 970137 |
| 11 | | 958702 | 960536 | 962296 | 963987 | 965615 | 967184 | 968698 | 970161 |
| 12 | | 958734 | 960566 | 962325 | 964015 | 965642 | 967210 | 968723 | 970185 |
| 13 | | 958765 | 960596 | 962353 | 964042 | 965668 | 967235 | 968748 | 970209 |
| 14 | | 958796 | 960626 | 962382 | 964070 | 965695 | 967261 | 968773 | 970233 |
| 15 | 6 | 958827 | 960656 | 962411 | 964098 | 965721 | 967287 | 968797 | 970257 |
| 16 | | 958858 | 960686 | 962440 | 964125 | 965748 | 967312 | 968822 | 970281 |
| 17 | | 958889 | 960716 | 962468 | 964153 | 965774 | 967338 | 968847 | 970305 |
| 18 | | 958920 | 960745 | 962497 | 964180 | 965801 | 967363 | 968871 | 970329 |
| 19 | | 958951 | 960775 | 962525 | 964208 | 965827 | 967389 | 968896 | 970353 |
| 20 | 8 | 958982 | 960805 | 962554 | 964235 | 965854 | 967414 | 968921 | 970377 |
| 21 | | 959013 | 960835 | 962583 | 964263 | 965880 | 967440 | 968946 | 970401 |
| 22 | | 959044 | 960864 | 962611 | 964290 | 965907 | 967466 | 968970 | 970424 |
| 23 | | 959075 | 960894 | 962640 | 964318 | 965933 | 967491 | 968995 | 970448 |
| 24 | | 959106 | 960924 | 962668 | 964345 | 965960 | 967517 | 969019 | 970472 |
| 25 | 10 | 959137 | 960953 | 962697 | 964373 | 965986 | 967542 | 969044 | 970496 |
| 26 | | 959168 | 960983 | 962725 | 964400 | 966013 | 967568 | 969069 | 970520 |
| 27 | | 959199 | 961013 | 962754 | 964427 | 966039 | 967593 | 969093 | 970543 |
| 28 | | 959230 | 961042 | 962782 | 964455 | 966065 | 967618 | 969118 | 970567 |
| 29 | | 959261 | 961072 | 962811 | 964482 | 966092 | 967644 | 969142 | 970591 |
| 30 | 12 | 959292 | 961101 | 962839 | 964509 | 966118 | 967669 | 969167 | 970615 |

# *Tabula Logisticorum Logarithmorum.*

| *Motus* | | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|
| | | 1380 | 1440 | 1500 | 1560 | 1620 | 1680 | 1740 | 1800 |
| " | T | H. 9 12 | 9 36 | 10 0 | 10 24 | 10 48 | 11 12 | 11 36 | 12 0 |
| 30 | 12 | 959292 | 961101 | 962839 | 964509 | 966118 | 967669 | 969167 | 970615 |
| 31 | | 959322 | 961131 | 962867 | 964537 | 966144 | 967695 | 969191 | 970638 |
| 32 | | 959353 | 961160 | 962895 | 964564 | 966171 | 967720 | 969216 | 970662 |
| 33 | | 959384 | 961190 | 962925 | 964591 | 966197 | 967745 | 969240 | 970686 |
| 34 | | 959415 | 961219 | 962952 | 964618 | 966223 | 967771 | 969265 | 970710 |
| 35 | 14 | 959445 | 961249 | 962980 | 964646 | 966249 | 967796 | 969289 | 970733 |
| 36 | | 959476 | 961278 | 963009 | 964673 | 966276 | 967821 | 969314 | 970757 |
| 37 | | 959507 | 961308 | 963037 | 964700 | 966302 | 967847 | 969338 | 970781 |
| 38 | | 959537 | 961337 | 963065 | 964727 | 966328 | 967872 | 969363 | 970804 |
| 39 | | 959568 | 961366 | 963093 | 964752 | 966354 | 967847 | 969387 | 970828 |
| 40 | 16 | 959598 | 961396 | 963122 | 964784 | 966380 | 967922 | 969412 | 970851 |
| 41 | | 959629 | 961425 | 963150 | 964809 | 966407 | 967948 | 969436 | 970875 |
| 42 | | 959660 | 961454 | 963178 | 964836 | 966433 | 967973 | 969460 | 970899 |
| 43 | | 959690 | 961484 | 963206 | 964863 | 966459 | 967998 | 969485 | 970922 |
| 44 | | 959721 | 961513 | 963234 | 964890 | 966485 | 968023 | 969509 | 970946 |
| 45 | 18 | 959751 | 961542 | 963262 | 964917 | 966511 | 968049 | 969533 | 970969 |
| 46 | | 959782 | 961571 | 963291 | 964944 | 966537 | 968074 | 969558 | 970993 |
| 47 | | 959812 | 961601 | 963319 | 964971 | 966563 | 968099 | 969582 | 971017 |
| 48 | | 959842 | 961630 | 963347 | 964998 | 966589 | 968124 | 969606 | 971040 |
| 49 | | 959873 | 961659 | 963375 | 965025 | 966615 | 968149 | 969631 | 971063 |
| 50 | 20 | 959903 | 961688 | 963403 | 965052 | 966641 | 968174 | 969655 | 971087 |
| 51 | | 959934 | 961717 | 963431 | 965079 | 966667 | 968199 | 969679 | 971110 |
| 52 | | 959964 | 961746 | 963459 | 965106 | 966693 | 968224 | 969703 | 971134 |
| 53 | | 959994 | 961775 | 963487 | 965133 | 966719 | 968249 | 969728 | 971157 |
| 54 | | 960025 | 961805 | 963515 | 965160 | 966745 | 968275 | 969752 | 971181 |
| 55 | 22 | 960055 | 961834 | 963543 | 965187 | 966771 | 968300 | 969776 | 971204 |
| | | 960085 | 961863 | 963571 | 965214 | 966797 | 968325 | 969800 | 971227 |
| 57 | | 960115 | 961892 | 963598 | 965241 | 966823 | 968350 | 969824 | 971251 |
| 58 | | 960145 | 961921 | 963626 | 965267 | 966849 | 968375 | 969848 | 971274 |
| 59 | | 960176 | 961950 | 963654 | 965294 | 966875 | 968400 | 969873 | 971298 |
| 60 | 24 | 960206 | 961979 | 963682 | 965321 | 966401 | 968425 | 969897 | 971321 |

# *Tabula Logarithmorum Logisticorum.*

| Motus | 31 | 32 | 33 | 34 | 35 | 36 | 37 | Motus |
|---|---|---|---|---|---|---|---|---|
| | 1860 | 1920 | 1980 | 2040 | 2100 | 2160 | 2220 | |
| " T. | H. 12 24 | 12 48 | 13 12 | 13 36 | 14 0 | 14 24 | 14 48 | T. " |
| 0 0 | 971321 | 972700 | 974036 | 975333 | 976592 | 977815 | 979005 | 0 0 |
| 1 | 971344 | 972723 | 974058 | 975354 | 976612 | 977835 | 979024 | 1 |
| 2 | 971368 | 972745 | 974080 | 975375 | 976633 | 977855 | 979044 | 2 |
| 3 | 971391 | 972768 | 974102 | 975396 | 976654 | 977875 | 979064 | 3 |
| 4 | 971414 | 972790 | 974124 | 975418 | 976674 | 977895 | 979083 | 4 |
| 5 2 | 971437 | 972813 | 974146 | 975439 | 976695 | 977915 | 979103 | 2 5 |
| 6 | 971461 | 972835 | 974168 | 975460 | 976715 | 977935 | 979122 | 6 |
| 7 | 971488 | 972858 | 974189 | 975481 | 976736 | 977955 | 979142 | 7 |
| 8 | 971507 | 972880 | 974211 | 975503 | 976757 | 977975 | 979161 | 8 |
| 9 | 971531 | 972903 | 974233 | 975524 | 976777 | 977995 | 979181 | 9 |
| 10 4 | 971554 | 972925 | 974255 | 975545 | 976798 | 978015 | 979200 | 4 10 |
| 11 | 971577 | 972948 | 974277 | 975566 | 976818 | 978035 | 979220 | 11 |
| 12 | 971600 | 972970 | 974299 | 975587 | 976839 | 978055 | 979239 | 12 |
| 13 | 971623 | 972993 | 974320 | 975608 | 976860 | 978075 | 979258 | 13 |
| 14 | 971647 | 973015 | 974342 | 975630 | 976880 | 978095 | 979279 | 14 |
| 15 6 | 971670 | 973038 | 974364 | 975651 | 976901 | 978115 | 979297 | 6 15 |
| 16 | 971699 | 973060 | 974386 | 975672 | 976921 | 978135 | 979316 | 16 |
| 17 | 971716 | 973083 | 974407 | 975693 | 976942 | 978155 | 979336 | 17 |
| 18 | 971739 | 973105 | 974429 | 975714 | 976962 | 978175 | 979356 | 18 |
| 19 | 971762 | 973127 | 974450 | 975735 | 976982 | 978195 | 979374 | 19 |
| 20 8 | 971785 | 973150 | 974473 | 975756 | 977005 | 978215 | 979394 | 8 20 |
| 21 | 971808 | 973172 | 974494 | 975777 | 977024 | 978235 | 979414 | 21 |
| 22 | 971832 | 973217 | 974516 | 975798 | 977044 | 978255 | 979433 | 22 |
| 23 | 971855 | 973217 | 974538 | 975820 | 977065 | 978275 | 979453 | 23 |
| 24 | 971878 | 973239 | 974559 | 975841 | 977085 | 978295 | 979472 | 24 |
| 25 10 | 971901 | 973262 | 974581 | 975862 | 977105 | 978315 | 979491 | 10 25 |
| 26 | 971924 | 973284 | 974603 | 975883 | 977126 | 978335 | 979510 | 26 |
| 27 | 971947 | 973306 | 974624 | 975904 | 977146 | 978354 | 979530 | 27 |
| 28 | 971970 | 973328 | 974646 | 975925 | 977167 | 978374 | 979549 | 28 |
| 29 | 971993 | 973351 | 974668 | 975946 | 977187 | 978394 | 979569 | 29 |
| 30 12 | 972016 | 973373 | 974685 | 975967 | 977208 | 978414 | 979588 | 12 30 |

# *Tabula Logarithmorum Logiſticorum.*

| Motus | | 31 | 32 | 33 | 34 | 35 | 36 | 37 | Motus | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1860 | 1920 | 1980 | 2040 | 2100 | 2160 | 2220 | | |
| " | T. | H. 12 24 | 12 48 | 13 12 | 13 36 | 14 0 | 14 24 | 14 48 | T | " |
| 30 | 12 | 972016 | 973373 | 974689 | 975967 | 977208 | 978414 | 979588 | 12 | 30 |
| 31 | | 972039 | 973395 | 974717 | 975988 | 977228 | 978434 | 979607 | | 31 |
| 32 | | 972062 | 973418 | 974732 | 976009 | 977248 | 978454 | 979626 | | 32 |
| 33 | | 972085 | 973440 | 974754 | 976030 | 977269 | 978473 | 979646 | | 33 |
| 34 | | 972108 | 973462 | 974776 | 976050 | 977289 | 978493 | 979665 | | 34 |
| 35 | 14 | 972131 | 973484 | 974797 | 976071 | 977309 | 978513 | 979684 | 14 | 35 |
| 36 | | 972153 | 973506 | 974819 | 976092 | 977330 | 978533 | 979704 | | 36 |
| 37 | | 972176 | 973529 | 974840 | 976113 | 977350 | 978553 | 979723 | | 37 |
| 38 | | 972199 | 973551 | 974862 | 976134 | 977370 | 978572 | 979742 | | 38 |
| 39 | | 972222 | 973573 | 974883 | 976155 | 977391 | 978592 | 979761 | | 39 |
| 40 | 16 | 972245 | 973595 | 974905 | 976176 | 977411 | 978612 | 979780 | 16 | 40 |
| 41 | | 972268 | 973617 | 974926 | 976197 | 977431 | 978632 | 979800 | | 41 |
| 42 | | 972291 | 973640 | 974948 | 976218 | 977452 | 978651 | 979819 | | 42 |
| 43 | | 972313 | 973662 | 974969 | 976239 | 977472 | 978671 | 979838 | | 43 |
| 44 | | 972336 | 973684 | 974991 | 976259 | 977492 | 978691 | 979857 | | 14 |
| 45 | 18 | 972359 | 973706 | 975012 | 976280 | 977512 | 978710 | 979876 | 18 | 45 |
| 46 | | 972382 | 973728 | 975033 | 976301 | 977533 | 978730 | 979895 | | 46 |
| 47 | | 972405 | 973750 | 975055 | 976322 | 977553 | 978750 | 979915 | | 47 |
| 48 | | 972427 | 973772 | 975076 | 976343 | 977573 | 978770 | 979934 | | 48 |
| 49 | | 972450 | 973794 | 975098 | 976363 | 977593 | 978789 | 979953 | | 49 |
| 50 | 20 | 972473 | 973816 | 975119 | 976384 | 977613 | 978809 | 979972 | 20 | 50 |
| 51 | | 972496 | 973838 | 975141 | 976404 | 977634 | 978828 | 979991 | | 51 |
| 52 | | 972518 | 973860 | 975162 | 976426 | 977654 | 978848 | 980010 | | 52 |
| 53 | | 972540 | 973882 | 975183 | 976447 | 977674 | 978868 | 980029 | | 53 |
| 54 | | 972564 | 97390 | 975205 | 976467 | 977694 | 978887 | 980049 | | 54 |
| 55 | 22 | 972586 | 973926 | 975226 | 976488 | 977714 | 978907 | 980068 | 22 | 55 |
| 56 | | 972609 | 973948 | 975247 | 976509 | 977734 | 978927 | 980087 | | 56 |
| 57 | | 972632 | 973970 | 975269 | 976529 | 977755 | 978946 | 980106 | | 57 |
| 58 | | 972652 | 973992 | 975290 | 976550 | 977775 | 978966 | 980125 | | 58 |
| 59 | | 972677 | 974014 | 975311 | 976571 | 977795 | 978985 | 980145 | | 59 |
| 60 | 24 | 972700 | 974036 | 975333 | 976592 | 977815 | 979005 | 980163 | 24 | 60 |

# *Tabula Logarithmorum Logisticorum.*

| Motus | | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|---|---|---|---|---|---|---|---|---|---|
| | | 228 0 | 2340 | 2400 | 2460 | 2520 | 2580 | 2640 | 2700 |
| ″ | T | H. 15 12 | 15 36 | 16 0 | 16 24 | 16 48 | 17 12 | 17 36 | 18 0 |
| 0 | 0 | 980163 | 981291 | 982391 | 983463 | 984510 | 985532 | 986530 | 987506 |
| 1 | | 980182 | 981309 | 982409 | 983481 | 984527 | 985548 | 986545 | 987522 |
| 2 | | 980201 | 981328 | 982427 | 983498 | 984544 | 985565 | 986563 | 987538 |
| 3 | | 980220 | 981347 | 982445 | 983516 | 984561 | 985582 | 986579 | 987554 |
| 4 | | 980239 | 981365 | 982463 | 983534 | 984579 | 985544 | 986596 | 987570 |
| 5 | 2 | 980258 | 981384 | 982481 | 983551 | 984596 | 985616 | 986612 | 987586 |
| 6 | | 980277 | 981402 | 982499 | 983569 | 984613 | 985632 | 986629 | 987602 |
| 7 | | 980296 | 981421 | 982517 | 983587 | 984630 | 985649 | 986645 | 987018 |
| 8 | | 980315 | 981439 | 982535 | 983604 | 984647 | 985666 | 986661 | 987634 |
| 9 | | 980334 | 981458 | 982553 | 983622 | 984664 | 985683 | 986678 | 987651 |
| 10 | 4 | 980353 | 981476 | 982571 | 983639 | 984682 | 985700 | 986694 | 987667 |
| 11 | | 980372 | 981495 | 982589 | 983657 | 984699 | 985716 | 986711 | 987683 |
| 12 | | 980391 | 981513 | 982607 | 983674 | 984710 | 985733 | 986727 | 987699 |
| 13 | | 980410 | 981532 | 982625 | 983692 | 984733 | 985750 | 986745 | 987715 |
| 14 | | 980429 | 981550 | 982643 | 983710 | 984750 | 985767 | 986760 | 987731 |
| 15 | 6 | 980448 | 981569 | 982661 | 983727 | 984767 | 985783 | 986776 | 987747 |
| 16 | | 980467 | 981587 | 982679 | 983745 | 984785 | 985800 | 986792 | 987763 |
| 17 | | 980486 | 981606 | 982697 | 983762 | 984802 | 985817 | 986809 | 987779 |
| 18 | | 980505 | 981624 | 982715 | 983780 | 984819 | 985834 | 986825 | 987795 |
| 19 | | 980523 | 981642 | 982733 | 983797 | 984836 | 985850 | 986841 | 987811 |
| 20 | 8 | 980542 | 981661 | 982751 | 983815 | 984853 | 985867 | 986858 | 987826 |
| 21 | | 980561 | 981679 | 982769 | 983832 | 984870 | 985884 | 986874 | 987842 |
| 22 | | 980580 | 981698 | 982787 | 983850 | 984887 | 985900 | 986890 | 987858 |
| 23 | | 980599 | 981716 | 982805 | 983867 | 984904 | 985917 | 986907 | 987874 |
| 24 | | 980619 | 981735 | 982823 | 983885 | 984921 | 985934 | 986923 | 987896 |
| 25 | 10 | 980637 | 981753 | 982841 | 983902 | 984938 | 985950 | 986939 | 987900 |
| 26 | | 980656 | 981771 | 982859 | 983920 | 984955 | 985967 | 986956 | 987922 |
| 27 | | 980674 | 981789 | 982877 | 983937 | 984972 | 985984 | 986972 | 987938 |
| 28 | | 980693 | 981808 | 982895 | 983955 | 984990 | 986000 | 986988 | 987954 |
| 29 | | 980712 | 981826 | 982912 | 983972 | 985007 | 986017 | 987004 | 987970 |
| 30 | 12 | 980731 | 981844 | 982930 | 983990 | 985024 | 986034 | 987021 | 987986 |

# *Tabula Logarithmorum Logisticorum.*

| Motus | | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|---|---|---|---|---|---|---|---|---|---|
| | | 2280 | 2340 | 2400 | 2460 | 2520 | 2580 | 2640 | 2700 |
| ″ | T. | H. 15 12 | 15 36 | 16 0 | 16 24 | 16 48 | 17 12 | 17 36 | 18 0 |
| 30 | 12 | 980731 | 981844 | 982930 | 983990 | 985024 | 986034 | 987021 | 987986 |
| 31 | | 980750 | 981863 | 982948 | 984007 | 985041 | 986050 | 987037 | 988002 |
| 32 | | 980768 | 981881 | 982966 | 984024 | 985058 | 986067 | 987053 | 988018 |
| 33 | | 980787 | 981899 | 982984 | 984043 | 985075 | 986084 | 987069 | 988034 |
| 34 | | 980806 | 981918 | 983002 | 984059 | 985092 | 986100 | 987086 | 988049 |
| 35 | 14 | 980825 | 981936 | 983019 | 984077 | 985109 | 986117 | 987102 | 988065 |
| 36 | | 980843 | 981954 | 983037 | 984094 | 985126 | 986133 | 987118 | 988081 |
| 37 | | 980862 | 981973 | 983055 | 984111 | 985143 | 986150 | 987134 | 988097 |
| 38 | | 980881 | 981991 | 983073 | 984129 | 985160 | 986167 | 987151 | 988113 |
| 39 | | 980900 | 982009 | 983091 | 984146 | 985177 | 986183 | 987167 | 988127 |
| 40 | 16 | 980918 | 982027 | 983109 | 984164 | 985194 | 986200 | 987183 | 988145 |
| 41 | | 980937 | 982046 | 983126 | 984181 | 985211 | 986216 | 987199 | 988161 |
| 42 | | 980956 | 982064 | 983144 | 984198 | 985228 | 986233 | 987215 | 988176 |
| 43 | | 980975 | 982082 | 983162 | 984216 | 985244 | 986249 | 987232 | 988192 |
| 44 | | 980993 | 982100 | 983179 | 984233 | 985261 | 986266 | 987248 | 988208 |
| 45 | 18 | 981012 | 982118 | 983197 | 984250 | 985278 | 986283 | 987264 | 988224 |
| 46 | | 981031 | 982137 | 983215 | 984266 | 985295 | 986299 | 987280 | 988240 |
| 47 | | 981049 | 982155 | 983233 | 984285 | 985312 | 986316 | 987296 | 988255 |
| 48 | | 981068 | 982173 | 983251 | 984302 | 985329 | 986332 | 987313 | 988271 |
| 49 | | 981087 | 982191 | 983268 | 984320 | 985346 | 986349 | 987329 | 988287 |
| 50 | 20 | 981105 | 982209 | 983286 | 984337 | 985363 | 986365 | 987345 | 988303 |
| 51 | | 981124 | 982228 | 983304 | 984354 | 985380 | 986382 | 987361 | 988319 |
| 52 | | 981142 | 982246 | 983322 | 984372 | 985397 | 986398 | 987377 | 988334 |
| 53 | | 981161 | 982264 | 983339 | 984389 | 985414 | 986415 | 987393 | 988350 |
| 54 | | 981180 | 982282 | 983357 | 984406 | 985430 | 986431 | 987409 | 988366 |
| | 22 | 981198 | 982300 | 983375 | 984423 | 985447 | 986448 | 987425 | 988382 |
| | | 981217 | 982318 | 983392 | 984441 | 985464 | 986464 | 987442 | 988398 |
| 57 | | 981235 | 982336 | 983410 | 984458 | 985481 | 986481 | 987458 | 988413 |
| 58 | | 981254 | 982355 | 983428 | 984475 | 985498 | 986493 | 987474 | 988429 |
| 59 | | 981273 | 982373 | 983445 | 984492 | 985515 | 986514 | 987490 | 988445 |
| 60 | 24 | 981291 | 982391 | 983463 | 984510 | 985532 | 986530 | 987506 | 988461 |

# *Tabula Logarithmorum Logiſticorum.*

| *Motus* | | 46 | 47 | 48 | 49 | 50 | 51 | 52 | *Motus* | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2760 | 2820 | 2880 | 2940 | 3000 | 3060 | 3120 | | |
| " | T | H. 18 24 | 18 48 | 19 12 | 19 36 | 20 0 | 20 24 | 20 48 | T | " |
| 0 | 0 | 988461 | 989395 | 990309 | 991204 | 992082 | 992942 | 993785 | 0 | 0 |
| 1 | | 988476 | 989410 | 990324 | 991219 | 992096 | 992956 | 993799 | | 1 |
| 2 | | 988492 | 989425 | 990339 | 991234 | 992111 | 992970 | 993813 | | 2 |
| 3 | | 988508 | 989441 | 990354 | 991249 | 992125 | 992984 | 993827 | | 3 |
| 4 | | 988523 | 989456 | 990369 | 991263 | 992140 | 992998 | 993841 | | 4 |
| 5 | 2 | 988539 | 989471 | 990384 | 991278 | 992154 | 993013 | 993855 | 2 | 5 |
| 6 | | 988555 | 989487 | 990399 | 991293 | 992168 | 993027 | 993868 | | 6 |
| 7 | | 988571 | 989502 | 990414 | 991308 | 992183 | 993041 | 993882 | | 7 |
| 8 | | 988586 | 989518 | 990429 | 991322 | 992197 | 993055 | 993906 | | 8 |
| 9 | | 988602 | 989533 | 990444 | 991337 | 992212 | 993069 | 993910 | | 9 |
| 10 | 4 | 988618 | 989548 | 990459 | 991342 | 992226 | 993083 | 993924 | 4 | 10 |
| 11 | | 988633 | 989564 | 990474 | 991367 | 992241 | 993098 | 993938 | | 11 |
| 12 | | 988649 | 989579 | 990489 | 991381 | 992255 | 993112 | 993952 | | 12 |
| 13 | | 988665 | 989594 | 990504 | 991396 | 992270 | 993126 | 993966 | | 13 |
| 14 | | 988680 | 989610 | 990519 | 9914 | 992284 | 993140 | 993979 | | 14 |
| 15 | 6 | 988696 | 989625 | 990534 | 991425 | 992298 | 993154 | 993993 | 6 | 15 |
| 16 | | 988712 | 989640 | 990549 | 991440 | 992313 | 993168 | 994007 | | 16 |
| 17 | | 988727 | 989656 | 990564 | 991455 | 992327 | 993182 | 994021 | | 17 |
| 18 | | 988743 | 989671 | 990579 | 991469 | 992342 | 993196 | 994035 | | 18 |
| 19 | | 988758 | 989686 | 990594 | 991484 | 992356 | 993211 | 994049 | | 19 |
| 20 | 8 | 988774 | 989701 | 990509 | 991499 | 9 0 | 993225 | 994063 | 8 | 20 |
| 21 | | 988790 | 989717 | 990624 | 991513 | 992385 | 993238 | 994076 | | 21 |
| 22 | | 988805 | 989732 | 990639 | 991528 | 992399 | 993253 | 994090 | | 22 |
| 23 | | 988821 | 989747 | 990654 | 991543 | 992413 | 993267 | 994104 | | 23 |
| 24 | | 988837 | 989763 | 990669 | 991557 | 992428 | 993281 | 994118 | | 24 |
| 25 | 10 | 988853 | 989778 | 990684 | 991572 | 992442 | 993295 | 994132 | 10 | 25 |
| 26 | | 988868 | 989793 | 990699 | 991587 | 992456 | 993309 | 994145 | | 26 |
| 27 | | 988883 | 989808 | 990714 | 991601 | 992471 | 993323 | 994150 | | 27 |
| 28 | | 988899 | 989824 | 990729 | 991616 | 992485 | 993337 | 994173 | | 8 |
| 29 | | 988914 | 989839 | 990744 | 991631 | 992500 | 993351 | 994187 | | 29 |
| 30 | 12 | 988930 | 989854 | 990759 | 991645 | 992514 | 993365 | 994201 | 12 | 30 |

# *Tabula Logarithmorum Logiſticorum.*

| Motus | | 46 | 47 | 48 | 49 | 50 | 51 | 52 | Motus | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2760 | 2820 | 2880 | 2940 | 3000 | 3060 | 3120 | | |
| ″ | ′ | H. 18 24 | 18 48 | 19 12 | 19 36 | 20 0 | 20 24 | 20 48 | ′. | ″ |
| 30 | 12 | 988930 | 989854 | 990759 | 991645 | 992514 | 993365 | 994201 | 12 | 30 |
| 31 | | 988946 | 989869 | 990774 | 991660 | 992528 | 993380 | 994214 | | 31 |
| 32 | | 988961 | 989885 | 990789 | 991674 | 992543 | 993394 | 994228 | | 32 |
| 33 | | 988977 | 989900 | 990808 | 991689 | 992557 | 993408 | 994242 | | 33 |
| 34 | | 988992 | 989915 | 990819 | 991704 | 992571 | 993422 | 994256 | | 34 |
| 35 | 14 | 989008 | 989930 | 990833 | 991718 | 992585 | 993436 | 994270 | 14 | 35 |
| 36 | | 989023 | 989945 | 990848 | 991733 | 992600 | 993450 | 994283 | | 36 |
| 37 | | 989039 | 989961 | 990863 | 991747 | 992614 | 993464 | 994297 | | 37 |
| 38 | | 989054 | 989976 | 990878 | 991762 | 992628 | 993478 | 994311 | | 38 |
| 39 | | 989070 | 989991 | 990893 | 991777 | 992643 | 993492 | 994325 | | 39 |
| 40 | 16 | 989085 | 990006 | 990908 | 991791 | 992657 | 993506 | 994338 | 16 | 40 |
| 41 | | 989101 | 990021 | 990923 | 991806 | 992671 | 993520 | 994352 | | 41 |
| 42 | | 989116 | 990037 | 990938 | 991820 | 992686 | 993534 | 994366 | | 42 |
| 43 | | 989132 | 990052 | 990952 | 991835 | 992700 | 993548 | 994380 | | 43 |
| 44 | | 989147 | 990067 | 990967 | 991849 | 992714 | 993562 | 994393 | | 44 |
| 45 | 18 | 989163 | 990082 | 990982 | 991864 | 992728 | 993576 | 994407 | 18 | 45 |
| 46 | | 989178 | 990097 | 990997 | 991879 | 992743 | 993590 | 994421 | | 46 |
| 47 | | 989194 | 990112 | 991012 | 991893 | 992757 | 993604 | 994434 | | 47 |
| 48 | | 989209 | 990128 | 991027 | 991908 | 992771 | 993618 | 994448 | | 48 |
| 49 | | 989225 | 990143 | 991042 | 991922 | 992785 | 993632 | 994462 | | 49 |
| 50 | 20 | 989240 | 990158 | 991056 | 991937 | 992800 | 993646 | 994476 | 20 | 50 |
| 51 | | 989256 | 990173 | 991071 | 991951 | 992814 | 993660 | 994489 | | 51 |
| 52 | | 989271 | 990188 | 991086 | 991966 | 992828 | 993674 | 994503 | | 52 |
| 53 | | 989287 | 990203 | 991101 | 991980 | 992842 | 993688 | 994517 | | 53 |
| 54 | | 989302 | 990218 | 991116 | 991995 | 992857 | 993701 | 994530 | | 54 |
| 55 | 22 | 989317 | 990233 | 991130 | 992009 | 992871 | 993715 | 994544 | 22 | 55 |
| 56 | | 989333 | 990248 | 991145 | 992024 | 992885 | 993729 | 994558 | | 56 |
| 57 | | 989348 | 990264 | 991160 | 992038 | 992899 | 993743 | 994571 | | 57 |
| 58 | | 989364 | 990279 | 991175 | 992053 | 992913 | 993757 | 994585 | | 58 |
| 59 | | 989379 | 990294 | 991190 | 992067 | 992928 | 993771 | 994599 | | 59 |
| 60 | 24 | 989395 | 990309 | 991204 | 992082 | 992942 | 993785 | 994612 | 24 | 60 |

# *Tabula Logarithmorum Logiſticorum.*

| *Motus* | | 53 | 54 | 55 | 56 | 57 | 58 | 59 | *Motus* | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 3180 | 3240 | 3300 | 3360 | 3420 | 3480 | 3540 | | |
| ″ | T | H.21 12 | 21 36 | 22 0 | 22 24 | 22 48 | 23 12 | 23 36 | T. | ″ |
| 0 | 0 | 994612 | 995424 | 996221 | 997004 | 997772 | 998528 | 999270 | 0 | 0 |
| 1 | | 994626 | 995437 | 996234 | 997016 | 997785 | 998540 | 999282 | | 1 |
| 2 | | 994640 | 995451 | 996247 | 997029 | 997798 | 998552 | 999294 | | 2 |
| 3 | | 994653 | 995464 | 996260 | 997042 | 997810 | 998565 | 999307 | | 3 |
| 4 | | 994667 | 995478 | 996274 | 997055 | 997823 | 998577 | 999319 | | 4 |
| 5 | 2 | 994681 | 995491 | 996287 | 997068 | 997836 | 998590 | 999331 | 2 | 5 |
| 6 | | 994694 | 995504 | 996300 | 997081 | 997848 | 998602 | 999343 | | 6 |
| 7 | | 994708 | 995518 | 996313 | 997094 | 997861 | 998615 | 999356 | | 7 |
| 8 | | 994721 | 995531 | 996326 | 997107 | 997874 | 998627 | 999368 | | 8 |
| 9 | | 994735 | 995545 | 996339 | 997120 | 997886 | 998640 | 999380 | | 9 |
| 10 | 4 | 994749 | 995558 | 996352 | 997132 | 997899 | 998652 | 999392 | 4 | 10 |
| 11 | | 994762 | 995571 | 996366 | 997145 | 997912 | 998665 | 999405 | | 11 |
| 12 | | 994776 | 995585 | 996379 | 997158 | 997924 | 998677 | 999417 | | 12 |
| 13 | | 994789 | 995598 | 996392 | 997171 | 997937 | 998689 | 999429 | | 13 |
| 14 | | 994803 | 995611 | 996405 | 997184 | 997950 | 998702 | 999441 | | 14 |
| 15 | 6 | 994817 | 995625 | 996418 | 997197 | 997962 | 998714 | 999454 | 6 | 15 |
| 16 | | 994830 | 995638 | 996431 | 997210 | 997975 | 998727 | 999466 | | 16 |
| 17 | | 994844 | 995651 | 996444 | 997223 | 997988 | 998739 | 999478 | | 17 |
| 18 | | 994857 | 995665 | 996457 | 997236 | 998000 | 998752 | 999490 | | 18 |
| 19 | | 994871 | 995678 | 996470 | 997248 | 998013 | 998764 | 999502 | | 19 |
| 20 | 8 | 994885 | 995691 | 996483 | 997261 | 998025 | 998776 | 999515 | 8 | 20 |
| 21 | | 994898 | 995705 | 996496 | 997274 | 998038 | 998789 | 999527 | | 21 |
| 22 | | 994912 | 995718 | 996510 | 997287 | 998051 | 998801 | 999539 | | 22 |
| 23 | | 994925 | 995731 | 996523 | 997300 | 998063 | 998814 | 999551 | | 23 |
| 24 | | 994939 | 995745 | 996536 | 997313 | 998076 | 998826 | 999563 | | 24 |
| 25 | 10 | 994952 | 995758 | 996549 | 997325 | 998089 | 998838 | 999576 | 10 | 25 |
| 26 | | 994966 | 995771 | 996562 | 997338 | 998101 | 998851 | 999588 | | 26 |
| 27 | | 994979 | 995785 | 996575 | 997351 | 998114 | 998863 | 999600 | | 27 |
| 28 | | 994993 | 995798 | 996588 | 997364 | 998126 | 998876 | 999612 | | 28 |
| 29 | | 995007 | 995811 | 996601 | 997377 | 998139 | 998888 | 999624 | | 29 |
| 30 | 12 | 995020 | 995824 | 996614 | 997390 | 998152 | 998900 | 999636 | 12 | 30 |

# *Tabula Logarithmorum Logiſticorum.*

| *Motus* | 53 | 54 | 55 | 56 | 57 | 58 | 59 | *Motus* | |
|---|---|---|---|---|---|---|---|---|---|
| | 3180 | 3240 | 3300 | 3360 | 3420 | 3480 | 3540 | | |
| " T. | H.21 12 | 21 36 | 22. 0 | 22 24 | 22 48 | 23 12 | 23 36 | T | " |
| 30 12 | 995020 | 995824 | 996614 | 997390 | 998152 | 998900 | 999636 | 12 | 30 |
| 31 | 995034 | 995838 | 996627 | 997402 | 998164 | 998913 | 999649 | | 31 |
| 32 | 995047 | 995851 | 996640 | 997415 | 998177 | 998925 | 999661 | | 32 |
| 33 | 995061 | 995864 | 996657 | 997428 | 998189 | 998937 | 999673 | | 33 |
| 34 | 995074 | 995877 | 996666 | 997441 | 998202 | 998950 | 999685 | | 34 |
| 35 14 | 995088 | 995891 | 996679 | 997454 | 998214 | 998962 | 999697 | 14 | 35 |
| 36 | 995101 | 995903 | 996692 | 997466 | 998227 | 998974 | 999709 | | 36 |
| 37 | 995115 | 995917 | 996705 | 997479 | 998240 | 998987 | 999721 | | 37 |
| 38 | 995128 | 995930 | 996718 | 997492 | 998252 | 998999 | 999734 | | 38 |
| 39 16 | 995142 | 995944 | 996731 | 997505 | 998265 | 999012 | 999746 | | 39 |
| 40 | 995155 | 995957 | 996744 | 997517 | 998277 | 999024 | 999758 | 16 | 40 |
| 41 | 995169 | 995970 | 996757 | 997530 | 998290 | 999036 | 999770 | | 41 |
| 42 | 995182 | 995983 | 996770 | 997543 | 998302 | 999049 | 999782 | | 42 |
| 43 | 995196 | 995997 | 996783 | 997556 | 998315 | 999061 | 999794 | | 43 |
| 44 | 995209 | 996010 | 996796 | 997569 | 998327 | 999073 | 999806 | | 44 |
| 45 18 | 995223 | 996023 | 996809 | 997581 | 998340 | 999086 | 999819 | 18 | 45 |
| 46 | 995236 | 996036 | 996822 | 997594 | 998352 | 999098 | 999831 | | 46 |
| 47 | 995249 | 996050 | 996835 | 997607 | 998365 | 999110 | 999843 | | 47 |
| 48 | 995263 | 996063 | 996848 | 997620 | 998378 | 999122 | 999855 | | 48 |
| 49 | 995276 | 996076 | 996861 | 997632 | 998390 | 999135 | 999867 | | 49 |
| 50 20 | 995290 | 996089 | 996874 | 997645 | 998403 | 999147 | 999879 | 20 | 50 |
| 51 | 995303 | 996102 | 996887 | 997658 | 998415 | 999159 | 999891 | | 51 |
| 52 | 995317 | 996116 | 996900 | 997671 | 998428 | 999172 | 999903 | | 52 |
| 53 | 995330 | 996129 | 996913 | 997683 | 998440 | 999184 | 999915 | | 53 |
| 54 | 995344 | 996142 | 996926 | 997696 | 998453 | 999196 | 999927 | | 54 |
| 55 22 | 995357 | 996155 | 996939 | 997709 | 998465 | 999209 | 999939 | 22 | 55 |
| 56 | 995370 | 996168 | 996952 | 997721 | 998478 | 999221 | 999951 | | 56 |
| 57 | 995384 | 996181 | 996965 | 997734 | 998490 | 999232 | 999964 | | 57 |
| 58 | 995397 | 996195 | 996978 | 997747 | 998503 | 999245 | 999976 | | 58 |
| 59 | 995411 | 996208 | 996991 | 997760 | 998515 | 999258 | 999988 | | 59 |
| 60 24 | 995424 | 996221 | 997004 | 997772 | 998528 | 999270 | 1000000 | 24 | 60 |

# *Tabula Logarithmorum Logiſticorum.*

| S | *Log.* 1° 0′ | *Log.* 1° 1′ | *Log.* 1° 2′ | *Log.* 1° 3′ | *Log.* 1° 4′ | *Log.* 1° 5′ |
|---|---|---|---|---|---|---|
| 0 | 1000000 | 1000718 | 1001424 | 1002119 | 1002803 | 1003476 |
| 1 | 1000012 | 1000730 | 1001436 | 1002130 | 1002814 | 1003487 |
| 2 | 1000024 | 1000741 | 1001447 | 1002142 | 1002825 | 1003498 |
| 3 | 1000035 | 1000753 | 1001459 | 1002153 | 1002837 | 1003509 |
| 4 | 1000048 | 1000765 | 1001471 | 1002165 | 1002848 | 1003520 |
| 5 | 1000060 | 1000777 | 1001482 | 1002176 | 1002859 | 1003531 |
| 6 | 1000072 | 1000789 | 1001494 | 1002188 | 1002871 | 1003543 |
| 7 | 1000084 | 1000801 | 1001506 | 1002199 | 1002882 | 1003554 |
| 8 | 1000096 | 1000813 | 1001517 | 1002211 | 1002893 | 1003565 |
| 9 | 1000108 | 1000824 | 1001529 | 1002222 | 1002904 | 1003576 |
| 10 | 1000120 | 1000836 | 1001540 | 1002234 | 1002916 | 1003587 |
| 11 | 1000132 | 1000848 | 1001552 | 1002245 | 1002927 | 1003598 |
| 12 | 1000144 | 1000860 | 1001564 | 1002256 | 1002938 | 1003609 |
| 13 | 1000156 | 1000872 | 1001575 | 1002268 | 1002950 | 1003620 |
| 14 | 1000168 | 1000884 | 1001587 | 1002279 | 1002961 | 1003631 |
| 15 | 1000180 | 1000895 | 1001599 | 1002291 | 1002972 | 1003643 |
| 16 | 1000192 | 1000907 | 1001610 | 1002302 | 1002983 | 1003654 |
| 17 | 1000202 | 1000919 | 1001622 | 1002313 | 1002995 | 1003665 |
| 18 | 1000216 | 1000931 | 1001634 | 1002325 | 1003006 | 1003676 |
| 19 | 1000228 | 1000943 | 1001645 | 1002337 | 1003017 | 1003687 |
| 20 | 1000240 | 1000954 | 1001657 | 1002348 | 1003028 | 1003698 |
| 21 | 1000252 | 1000966 | 1001668 | 1002359 | 1003040 | 1003709 |
| 22 | 1000264 | 1000978 | 1001680 | 1002371 | 1003051 | 1003720 |
| 23 | 1000276 | 1000990 | 1001692 | 1002382 | 1003062 | 1003731 |
| 24 | 1000288 | 1001001 | 1001703 | 1002394 | 1003073 | 1003742 |
| 25 | 1000300 | 1001013 | 1001715 | 1002405 | 1003085 | 1003754 |
| 26 | 1000312 | 1001025 | 1001726 | 1002416 | 1003096 | 1003765 |
| 27 | 1000324 | 1001037 | 1001738 | 1002428 | 1003107 | 1003776 |
| 28 | 1000336 | 1001049 | 1001750 | 1002439 | 1003118 | 1003787 |
| 29 | 1000348 | 1001060 | 1001761 | 1002451 | 1003129 | 1003798 |
| 30 | 1000360 | 1001072 | 1001773 | 1002462 | 1003141 | 1003809 |

## *Tabula Logarithmorum Logisticorum.*

| S | *Log.* 1° 0′ | *Log.* 1° 1′ | *Log.* 1° 2′ | *Log.* 1° 3′ | *Log.* 1° 4′ | *Log.* 1° 5′ |
|---|---|---|---|---|---|---|
| 30 | 1000360 | 1001072 | 1001773 | 1002462 | 1003141 | 1003809 |
| 31 | 1000372 | 1001084 | 1001784 | 1002473 | 1003152 | 1003820 |
| 32 | 1000384 | 1001096 | 1001796 | 1002485 | 1003163 | 1003831 |
| 33 | 1000396 | 1001108 | 1001807 | 1002496 | 1003174 | 1003842 |
| 34 | 1000408 | 1001119 | 1001819 | 1002508 | 1003186 | 1003853 |
| 35 | 1000420 | 1001131 | 1001831 | 1002519 | 1003197 | 1003864 |
| 36 | 1000432 | 1001143 | 1001842 | 1002530 | 1003208 | 1003875 |
| 37 | 1000444 | 1001155 | 1001854 | 1002542 | 1003219 | 1003886 |
| 38 | 1000456 | 1001166 | 1001865 | 1002553 | 1003230 | 1003897 |
| 39 | 1000468 | 1001178 | 1001877 | 1002565 | 1003242 | 1003908 |
| 40 | 1000480 | 1001190 | 1001888 | 1002576 | 1003253 | 1003919 |
| 41 | 1000492 | 1001202 | 1001900 | 1002587 | 1003264 | 1003930 |
| 42 | 1000504 | 1001213 | 1001911 | 1002599 | 1003275 | 1003941 |
| 43 | 1000516 | 1001225 | 1001923 | 1002610 | 1003286 | 1003952 |
| 44 | 1000527 | 1001237 | 1001934 | 1002621 | 1003298 | 1003963 |
| 45 | 1000539 | 1001248 | 1001946 | 1002633 | 1003309 | 1003974 |
| 46 | 1000551 | 1001260 | 1001958 | 1002644 | 1003320 | 1003985 |
| 47 | 1000563 | 1001272 | 1001969 | 1002655 | 1003331 | 1003996 |
| 48 | 1000575 | 1001284 | 1001981 | 1002667 | 1003342 | 1004007 |
| 49 | 1000587 | 1001295 | 1001992 | 1002678 | 1003353 | 1004018 |
| 50 | 1000599 | 1001307 | 1002004 | 1002689 | 1003365 | 1004029 |
| 51 | 1000611 | 1001319 | 1002015 | 1002701 | 1003376 | 1004040 |
| 52 | 1000623 | 1001330 | 1002027 | 1002712 | 1003387 | 1004051 |
| 53 | 1000635 | 1001342 | 1002038 | 1002723 | 1003398 | 1004062 |
| 54 | 1000646 | 1001354 | 1002050 | 1002735 | 1003409 | 1004073 |
| 55 | 1000658 | 1001365 | 1002061 | 1002746 | 1003420 | 1004084 |
| 56 | 1000670 | 1001377 | 1002073 | 1002757 | 1003431 | 1004095 |
| 57 | 1000682 | 1001389 | 1002084 | 1002769 | 1003443 | 1004106 |
| 58 | 1000694 | 1001401 | 1002096 | 1002780 | 1003454 | 1004117 |
| 59 | 1000706 | 1001412 | 1002107 | 1002791 | 1003465 | 1004128 |
| 60 | 1000718 | 1001424 | 1002119 | 1002803 | 1003476 | 1004139 |

# *Tabula Logarithmorum Logisticorum.*

| S | Log. 1° 6′ | Log. 1° 7′ | Log. 1° 8′ | Log. 1° 9′ | Log. 1° 10′ | Log. 1° 11′ |
|---|---|---|---|---|---|---|
| 0 | 1004139 | 1004792 | 1005436 | 1006070 | 1006695 | 1007311 |
| 1 | 1004150 | 1004803 | 1005446 | 1006080 | 1006705 | 1007321 |
| 2 | 1004161 | 1004814 | 1005457 | 1006091 | 1006715 | 1007331 |
| 3 | 1004172 | 1004825 | 1005468 | 1006101 | 1006726 | 1007341 |
| 4 | 1004183 | 1004835 | 1005478 | 1006112 | 1006736 | 1007351 |
| 5 | 1004194 | 1004846 | 1005489 | 1006122 | 1006746 | 1007362 |
| 6 | 1004205 | 1004857 | 1005499 | 1006133 | 1006757 | 1007372 |
| 7 | 1004216 | 1004868 | 1005510 | 1006143 | 1006767 | 1007382 |
| 8 | 1004227 | 1004879 | 1005521 | 1006153 | 1006777 | 1007390 |
| 9 | 1004238 | 1004889 | 1005531 | 1006164 | 1006787 | 1007402 |
| 10 | 1004249 | 1004900 | 1005542 | 1006174 | 1006798 | 1007412 |
| 11 | 1004260 | 1004911 | 1005553 | 1006185 | 1006808 | 1007422 |
| 12 | 1004270 | 1004922 | 1005563 | 1006195 | 1006818 | 1007433 |
| 13 | 1004281 | 1004933 | 1005574 | 1006206 | 1006829 | 1007443 |
| 14 | 1004292 | 1004943 | 1005584 | 1006216 | 1006839 | 1007453 |
| 15 | 1004303 | 1004954 | 1005595 | 1006227 | 1006849 | 1007463 |
| 16 | 1004314 | 1004965 | 1005606 | 1006237 | 1006860 | 1007473 |
| 17 | 1004325 | 1004975 | 1005616 | 1006248 | 1006870 | 1007484 |
| 18 | 1004336 | 1004986 | 1005627 | 1006258 | 1006880 | 1007494 |
| 19 | 1004347 | 1004997 | 1005638 | 1006268 | 1006891 | 1007504 |
| 20 | 1004358 | 1005008 | 1005648 | 1006279 | 1006901 | 1007514 |
| 21 | 1004369 | 1005018 | 1005659 | 1006289 | 1006911 | 1007524 |
| 22 | 1004380 | 1005029 | 1005669 | 1006300 | 1006921 | 1007534 |
| 23 | 1004391 | 1005040 | 1005680 | 1006310 | 1006932 | 1007544 |
| 24 | 1004402 | 1005051 | 1005690 | 1006321 | 1006942 | 1007554 |
| 25 | 1004412 | 1005061 | 1005701 | 1006331 | 1006952 | 1007565 |
| 26 | 1004423 | 1005072 | 1005711 | 1006342 | 1006963 | 1007575 |
| 27 | 1004434 | 1005083 | 1005722 | 1006352 | 1006973 | 1007585 |
| 28 | 1004445 | 1005094 | 1005733 | 1006362 | 1006983 | 1007595 |
| 29 | 1004456 | 1005104 | 1005743 | 1006373 | 1006993 | 1007605 |
| 30 | 1004467 | 1005115 | 1005754 | 1006383 | 1007004 | 1007615 |

# *Tabula Logarithmorum Logisticorum.*

| S | *Log.* 1° 6′ | *Log.* 1° 7′ | *Log.* 1° 8′ | *Log.* 1° 9′ | *Log.* 1° 10′ | *Log.* 1° 11′ |
|---|---|---|---|---|---|---|
| 30 | 1004467 | 1005115 | 1005754 | 1006383 | 1007004 | 1007615 |
| 31 | 1004478 | 1005126 | 1005764 | 1006394 | 1007014 | 1007625 |
| 32 | 1004489 | 1005137 | 1005775 | 1006404 | 1007024 | 1007636 |
| 33 | 1004500 | 1005147 | 1005785 | 1006414 | 1007034 | 1007646 |
| 34 | 1004510 | 1005158 | 1005796 | 1006425 | 1007045 | 1007656 |
| 35 | 1004521 | 1005169 | 1005807 | 1006435 | 1007055 | 1007666 |
| 36 | 1004532 | 1005179 | 1005817 | 1006446 | 1007065 | 1007678 |
| 37 | 1004543 | 1005190 | 1005828 | 1006456 | 1007075 | 1007686 |
| 38 | 1004554 | 1005201 | 1005838 | 1006466 | 1007085 | 1007696 |
| 39 | 1004565 | 1005212 | 1005849 | 1006477 | 1007096 | 1007706 |
| 40 | 1004576 | 1005222 | 1005859 | 1006487 | 1007106 | 1007716 |
| 41 | 1004586 | 1005233 | 1005870 | 1006498 | 1007116 | 1007727 |
| 42 | 1004597 | 1005244 | 1005880 | 1006508 | 1007116 | 1007737 |
| 43 | 1004608 | 1005254 | 1005891 | 1006518 | 1007127 | 1007747 |
| 44 | 1004619 | 1005265 | 1005901 | 1006529 | 1007147 | 1007757 |
| 45 | 1004630 | 1005276 | 1005912 | 1006539 | 1007157 | 1007767 |
| 46 | 1004641 | 1005286 | 1005923 | 1006550 | 1007168 | 1007777 |
| 47 | 1004652 | 1005297 | 1005933 | 1006560 | 1007178 | 1007787 |
| 48 | 1004662 | 1005308 | 1005944 | 1006570 | 1007188 | 1007797 |
| 49 | 1004673 | 1005318 | 1005954 | 1006581 | 1007198 | 1007807 |
| 50 | 1004684 | 1005329 | 1005965 | 1006591 | 1007208 | 1007817 |
| 51 | 1004695 | 1005340 | 1005975 | 1006601 | 1007219 | 1007827 |
| 52 | 1004706 | 1005350 | 1005986 | 1006612 | 1007229 | 1007837 |
| 53 | 1004717 | 1005361 | 1005996 | 1006622 | 1007239 | 1007848 |
| 54 | 1004727 | 1005372 | 1006007 | 1006632 | 1007249 | 1007858 |
| 55 | 1004738 | 1005382 | 1006017 | 1006643 | 1007260 | 1007868 |
| 56 | 1004749 | 1005393 | 1006028 | 1006653 | 1007270 | 1007878 |
| 57 | 1004760 | 1005404 | 1006038 | 1006663 | 1007280 | 1007888 |
| 58 | 1004771 | 1005414 | 1006049 | 1006674 | 1007290 | 1007898 |
| 59 | 1004781 | 1005425 | 1006059 | 1006684 | 1007300 | 1007908 |
| 60 | 1004792 | 1005436 | 1006070 | 1006695 | 1007311 | 1007918 |

# POSTSCRIPT.

*Courteous Reader,*

IT is for the Good and Benefit of my native Countrey, that have taken the pains to emit this Six Years *Ephemeris* to the publick View, not knowing how I ſhall be treated for this my Labour and Kindneſs to the Sons of Art as well as others: But ſince the calculating of this *Ephemeris*, I have met with ſome ſcurrillous Reflections by Mr. *George Parker* in his *Ephemeris* for the Year 1701, where I find he has (as well as at ſeveral other times) a mind to quarrel with me, tho' I did not think fit to take up the Cudgels againſt a Man of his Temper and Reputation: Beſides, I have heard him ſpeak very ſcandalouſly of ſeveral of our Annual Writers; neither had he at that time a good Word for any of them, tho' one of them then (and ſtill is for ought I know) of his own Cabal, having no other way (it ſeems) to make himſelf great, but to contradict and quarrel with others. I confeſs I had a mind to let the World ſee his Imperfections and Weakneſs in the Aſtronomical Science before now, but that I was prevail'd with to take no notice of his ſcurrillous Invectives; and indeed when I ſaw him fall ſo foul upon ſeveral others, I was the eaſier diſſwaded from it; and I am induc'd to believe, that if the World was but throughly acquainted with the Man and his Manners, and what ill Behaviour and Temper he is of, I may reaſonably think any one might blame me for concerning my ſelf either with him or his Doings: But ſuch as would be rightly inform'd of the Man and of his Doings, and Dealings in the World, may read *Flagitioſus Mercurius Flagellatus*; and from the ſame ingenious Author likewiſe in his Trip to *Salisbury-Court*, &c. And as to what that Author has there ſaid of Mr. *Parker*, in reſpect of his Unkindneſs to a Woman formerly his Wife, and yet living, I have heard her own, and more to that purpoſe, I ſhall only tranſcribe half a dozen Lines from the forenamed Book *Flagitioſus Mercurius Flagellatus*, to let the Reader ſee his Character there " He is poor and infamous, deſpicable in his

"Perſon, ill-natur'd and ſawcy in his Converſation, unjuſt in his "Dealings, immoral in his Behaviour, weak in his Underſtanding, "ignorant in his Profeſſions, and wanting Parts, Prudence, Vir-"tue and Honeſty; finds he hath no other way to recommend "himſelf to the World to be taken notice of, but by quarrelling with "ſome body or other, no matter whether they give him Occa ſio nor not. Thus far this Author.

I do not this on purpoſe to degrade the Man, but to let the World ſee what a Man I have to deal with: But, leſt he ſhould ſay this is foreign to the Point, I ſhall diſmiſs this Cauſe, and proceed upon a new one, that I may thereby undeceive the World, and let his Art appear bare-fac'd: for in all, or moſt of his Ephemeris's he would be taken notice of to be the only exact Calculator, and would prove himſelf to be *Verus Filius Artis*, as may in ſeveral of his Ephemeris's be ſeen by his ſpecious Words, loud Arrogancy, and large Promiſes; but I doubt not but to make the contrary appear; beſides the Abuſe he hath done to (the Deceaſed) Mr. *Street*'s Tables, as by and by will appear.

Before I begin to prove his Calculations, I deſire the Reader to take notice that Mr. *Parker* deduces all his Calculations from *Aſtronomia Carolina*, as he owns in his Title-Page of all his Ephemeris's, which Tables he has often boaſted of to be the exacteſt of any yet extant, as may be ſeen in his *Ephemeris* (To the Reader) for 1701, tho' I hope I have made the contrary appear in the Introduction to my *Ephemeris*; and queſtion not but to make my Antagoniſt's Calculations appear to be inartificial, and not fit to be depended upon.

## 1690, Saturn's *Place examined.*

In the Introduction to my *Ephemeris*, in the Synopſis of *Saturn*'s Obſervations made by Mr. *Flamſteed*, which I have there compared with Mr. *Street*'s *Aſtronomia Carolina*, there is three of them made *April* 1690, which I ſhall firſt compare with my Antagoniſt's Calculations in his *Ephemeris* for that Year.

I. 1690, *April* 13th day 12 ho. 51′ Mr. *Flamſteed* obſerv'd ♄ in 16° 24′ 12″ ♏, and Mr. *Street*'s Tables at that time makes his Place in 16° 32′ 9″ ♏, differing from the Obſervation 7′ + 57″ but

but by Mr. *Parker*'s Ephemeris, his Place at the ſame time is 16° 10′ 19″ ♏, differing from the Obſervation 13′ 53″, and from Mr. *Street*'s Tables, 21′ 50″; but becauſe I will not give my Antagoniſt Occaſion to cavil in ſaying Mr. *Street* owns ♄'s Motion too ſwift; and therefore Mr. *Parker* tells his Reader in that *Ephemeris* he hath uſed a Reduction by which he has ſolved his Motion moderately true; but this appears to be falſe: for Mr. *Street*'s Tables differ only from Obſervation 7′ + 57″, but Mr. *Parker*'s 13′ 53″; and that would bring a worſe Scandal to Mr. *Street*'s Tables. He falls off 21′ 50″ the contrary way from Mr. *Street*'s Tables, which is ſuch a Reduction, the ingenious *Street* never thought of.

II. 1690, *April* 25th day, 12 ho. 01′ Mr. *Flamſteed* obſerved ♄ in 15° 31′ 40″ ♏ which Mr. *Street*'s Tables makes 15° 38′ 57″ ♏, differing 7′ + 17″ from Obſervation, at which time Mr. *Parker*'s Ephemeris makes ♄ in 15° 18′ 30″ ♏ differing 13′ 10″ from Obſervation, and from *Street*'s Tables 20′ 27″.

III. 1690, *April* 29th day 11 ho. 45′, Mr. *Flamſteed* obſerv'd ♄ in 15° 14′ 20″ ♏, at which time Mr. *Street*'s Tables gives his Place 15° 20′ 59″ ♏, differing 6′ 39″ from the Obſervation; at which time Mr. *Parker*'s Ephemeris ſhews his Place in 15° 0′ 33″ ♏, differing from the Obſervation 13′ 47″, and from Mr. *Street*'s Tables 20′ 26″; and ſo you (that pleaſe to try) will find the reſt of his *Ephemeris* in *Saturn*'s Place.

## 1690, Jupiter's *Place examined.*

I. In the next place I ſhall examine how ♃'s place in Mr. *Parker*'s Ephemeris agrees with his Author's Tables: for in that Planet (nor any of the reſt) he has no Excuſe to make, but that he muſt take his place, as in the *Caroline* Tables, according to his own Confeſſion.

II. 1690, *May* 11th day 20 ho. 13′ Mr. *Flamſteed* obſerv'd ♃ in 2° 29′ 6″ ♈, Mr. *Street*'s Tables at that time give his place in 2° 31′ 3″ ♈, differing only 1′ 57″; but Mr. *Parker*'s Ephemeris makes his Place 2° 20′ 16″, differing 8′ 50″ from Obſervation; and from the Tables he calculates from, he differs no leſs than 10′ 47″. At this rate we are like to have a fine *Ephemeris* in *Folio*, and as ſoon too as he can get Subſcriptions. Beſides

his Affront to his Author's Tables, and Abuſe to the World.

III. I ſhall try for this Year 1690, one Place more of 4, and produce the Calculation at large, which ſhall be *Auguſt* the 15*th*. at Noon.

| *Tempus datum.* | *Anom.* ⊙. S. ° ′ ″ | *Prec. Equi.* S. ° ′ ″ | *Anom.* 4. S. ° ′ ″ | *Log.* 4 5.69471 |
|---|---|---|---|---|
| 1681 | 6 13 33 20 | 0 28 40 00 | 8 1 12 30 | *Log.* ⊙ 5.00416 |
| 9 | 11 29 42 4 | 7 12 | 9 3 7 32 | 78°28′28″ t.10.69055 |
| *Auguſt* | 6 28 56 58 | 28 | 17 36 56 | 33 28 28 t. 9.82036 |
| Day 15 | 14 47 3 | 2 | 1 14 47 | 75 40 24 t.10.59279 |
| | | | | 68 52 55 t.10.41315 |
| Mid. An. ⊙ | 1 26 59 25 | 0 28 47 42 | 5 23 11 45 | 144 33 19 Elongat. |
| Lon. ⊙ *á* 1′ ♈ | 4 3 40 44 | H. Longit. 4 | 11 2 19 56 | 6 47 29 Parallax. |
| Præc. Add. | 28 47 42 | Longit. ⊙ | 4 3 40 44 | S 28 39 12 9.68079 |
| | | Commut. ½ | 5 1 20 48 | S 35 26 41 9.76337 |
| ⊙'s Place. | ♍ 2 28 26 | | 75 40 24 | t. 1 19 37 8.36480 |
| | | Paral. Add. | 6 47 29 | Sum 18.12817 |
| | | Geo. Long. 4 | 11 9 7 25 | Lat. 1°36′17″ 8.44738 |
| | | Præc. Add. | 0 28 47 42 | Differing from his Tables 12′ 7″ |
| | | 4's Place. | ♈ 7 55 7 | |

And thus you have the Certainty of this uncertain Calculator.

1690. *Mars*'s Place examined.

1690. *Febr.* 19*th*. day, 4 ho. 59′ Mr. *Flamſteed* obſerv'd ♂ in 0° 25′ 03″ ♊, Mr. *Street*'s Tables at that time, (as may be ſeen by the Calcalation in the Introduction) gives his Place 0° 20′ 17″ ♊, differing from the Obſervation 4′ 46″; but Mr. *Parker*'s Epheme-ris at the ſame time makes his Place to be 0° 16′ 51″ ♊, differing from the Obſervation 8′ 12″, and from his Tables 3′ 26″: but I ſhall proceed no further in the Planets Places for the Year 1690, ſince it is plain by theſe, he is but a meer Bungler in calculating, as may further appear by the Lunar Eclipſe on the 14*th* day of *March* 1690, where he has limited the Middle Time thereof according to the Equal Time of the true Oppoſition in the Ecliptick, without taking any notice of the Equation of Natural Days, which, accor-ding to his Author, is 6′ 23″, Sub. which ſhould have been ap-

plied

ply'd to that Place to have made it apparent; and then the middle or greateſt Obſcuration would have been at 9 hours 45′ 39″, and not at 9 ho. 52″, as he there makes it: And, to ſhew my Antagoniſt that this is right, he may ſee in *Aſtronomia Carolina*, Page 83, that his Author applies the time of half Duration to this time for the Beginning and Ending of the Eclipſe.

I find in all his Ephemeris's he is very faulty in the Planets Places as well as here; inſomuch, that one might juſtly queſtion whether his Calculations were done from Mr. *Street*'s Tables or no, as hereafter I ſhall (God willing) have more time to make appear, which ſhould have been done now, had I had leiſure, tho' if I ſhould omit taking notice of the Eclipſe of the Sun *Sept.* the 13*th* day, 1699, I ſhould paſs by ſuch an Errour of Mr. *Parker*'s committing as was never committed by any Man of Art that I know of: This Solar Eclipſe, he tells us in his Ephemeris for that Year, is the 13*th* day of *September*, a little before Noon (tho' it appear'd by Obſervation the Eclipſe ended about 34′ after 10.) and perceiving he ſhould be corrected for this Errour, he tells the Reader in his Ephemeris for 1700, he having not time to perform the Calculation, he did incert the equal Time only of the Conjunction; but to let the World ſee that the Man cares not what he ſays, to make ſo great an Errour (of his committing) to paſs for current Truth; and I ſhall here demonſtrate from the *Caroline Tables*, that his equal Time has no Congruity with them, nor with the Heavens: As I thus prove.

| *Tempus datum.* | *Anom.* ☉ S. ° ′ ″ | *Præc. Equi.* S. ° ′ ″ | *Tempus datum.* | *Anom.* ☽ S ° ′ ″ | *Apog.* ☽ S. ° ′ ″ |
|---|---|---|---|---|---|
| 1681 | 6 13 33 20 | 0 28 40 0 | 1681 | 9 27 27 45 | 8 4 15 00 |
| 18 | 11 29 24 9 | 14 24 | 18 | 6 29 13 26 | 0 12 23 39 |
| *September.* | 7 29 30 12 | 32 | *September.* | 9 24 47 31 | 27 4 19 |
| Day 12 | 11 49 38 | 2 | Day 12 | 5 06 46 47 | 1 20 13 |
| 22h 39′ 42″ | 55 51 | 0 | 22h. 39° 42″ | 12 20 11 | 6 19 |
| M. Anom. ☉ | 2 25 13 10 | 0 28 54 58 | M. Anom. ☽ | 8 10 35 40 | 9 15 9 30 |
| Equat. Sub. | 1 58 26 | | Equat. Add. | 4 44 32 | |
| True Anom. | 2 23 14 44 | | True Anom. | 8 15 20 12 | |
| Apog. Add. | 2 8 20 0 | | Apog. Add. | 9 15 9 30 | |
| Sum. | 5 01 34 44 | | ☽ in Orb. | ♎ 0 29 42 | |
| Præc. Add. | 28 54 58 | | | | |
| Sun's Place. | ♎ 00 29 42 | | | | |

Thus is the Equal Time ſtated according to Mr. *Street*'s Tables, which happens, as by the aforegoing Calculation, on *Septemb.* 12 d. 22h. 39′ 42″; but according to what Mr. *Parker* tells us, (and will have it to be *nolens volens*) in his Ephemeris for that Year, at a little before Noon: And tho' this alone is ſo great an Errour, and ſo unbeſeeming an Artiſt of his pretended Exactneſs; yet he further diſcovers his Weakneſs and Inſufficiency, in ſaying in his Ephemeris 1700, that he only inſerted the Equal Time, at which time, had he been skilled in the Doctrine of Parallaxes, he might have found an Interval between the true and viſible Conjunction of more than an Hour to be ſubſtracted. However, if he had not known how to have work'd it, he might have gueſſed (or eſtimated) it to ſomething, as he there tells us he did the Digits eclipſed: but I have not leiſure now to track him further thro' his great Gate to his ſmall City: The Man's Aim is only to be popular, and to make the World believe that he is the only exact Calculator; and has no better Way to propagate his Cauſe than to fall foul upon others: but how much a Man of theſe Actions looks like a profound Artiſt I leave all the unprejudic'd and diſcerning part of Mankind in this Science to judge, and at this time leave him (as I have always found him) more like a Man of Malice than Art, as may in a little time further appear by

*A Lover of all Honeſt, and truly Ingenious Profeſſors and Lovers of the Mathematical Sciences,*

*Pickworth, April 14, 1701, in the County of Rutland.*

JOHN WING.

AN

AN

# EPHEMERIS

OF THE

# Cœleſtial Motions

AND

# ASPECTS

For the Year of the Chriſtian *ÆRA* 1702.

Calculated for the Meridian of

# *LONDON:*

Whereunto are number'd from

The

| | |
|---|---|
| Creation of the World | 5651 |
| General Deluge | 3995 |
| Building of *London* | 2809 |
| Death of *Alexander the Great* | 2024 |
| Beginning of the *Julian* Year | 1745 |
| Paſſion and Death of Chriſt | 1669 |
| Flight of *Mahomet* | 1111 |
| Correction of the Calendar by P. *Gregory* | 120 |

} Years.

| *Julian* | | *Gregorian* | *Julian* | | *Gregorian* |
|---|---|---|---|---|---|
| 12 | The Golden Number | 12 | *Febr.* 15 | *Shrove-Sunday* | 25 *Febr.* |
| 3 | Cycle of the Sun | 3 | *April* 5 | *Eaſter Day* | 15 *Apr.* |
| D | Dominical Letters | G | *May* 10 | *Rogation Sunday* | 20 *May.* |
| 10 | Roman Indiction | 10 | *May* 14 | *Aſcenſion day* | 24 *May.* |
| 12 | Epact | 2 | *May* 24 | *Whit-Sunday* | 3 *June.* |
| 15 | Number of Direction | 18 | *Nov.* 29 | *Advent Sunday* | 2 *Dec.* |

By *JOHN WING*, Mathemat.

*LONDON*, Printed in the Year 1702.

*The Exact Time of the Sun's Ingreſs into the four Cardinal Signs, with the Planets Places reduc'd to that time.*

| | Longit. ☉ S. | ° | ′ | ″ | Anom. ☉ S. | ° | ′ | ″ | | S. | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1702 | 9 | 20 | 28 | 33 | 6 | 13 | 01 | 15 | ♄ | ♓ | 29 | 36 | 58 |
| *March* Day 9 | 2 | 7 | 1 | 26 | 2 | 7 | 01 | 15 | ♅ | ♓ | 22 | 47 | 57 |
| Hours 13 | | | 32 | 2 | | | 32 | 2 | ♂ | ♐ | 25 | 8 | 37 |
| 38′ 18″ | | | 1 | 34 | | | 1 | 34 | ♀ | ♉ | 1 | 38 | 25 |
| Middle Mot. ☉ | 11 | 28 | 03 | 35 | 8 | 20 | 36 | 06 | ☿ | ♈ | 17 | 52 | 18 |
| Proſthaph. Add. | | 1 | 56 | 25 | | | | | ☽ | ♍ | 4 | 30 | 42 |
| Sun's Place. | ♈ | 00 | 00 | 00 | ☉ enters ♈ | | | | ☊ | ♌ | 4 | 24 | 17 |

*The Sun's Ingreſs into* ♋, &c.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1702 | 9 | 20 | 28 | 33 | 6 | 13 | 01 | 15 | ♄ | ♈ | 8 | 47 | 46 |
| *June* Day 10 | 5 | 8 | 41 | 21 | 5 | 8 | 40 | 54 | ♅ | ♈ | 11 | 25 | 42 |
| Hours 14 | | | 34 | 30 | | | 34 | 30 | ♂ | ♍ | 20 | 14 | 8 |
| 4′ 20″ | | | | 10 | | | | 10 | ♀ | ♉ | 14 | 15 | 26 |
| Middle Mot. ☉ | 2 | 29 | 44 | 34 | 11 | 22 | 16 | 49 | ☿ | ♊ | 15 | 29 | 15 |
| Proſthaph. Add. | | | 15 | 26 | | | | | ☽ | ♉ | 23 | 0 | 09 |
| Sun's Place. | ♋ | 00 | 00 | 00 | ☉ enters ♋ | | | | ☊ | ♋ | 29 | 29 | 14 |

*The Sun's Ingreſs into* ♎, &c.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1702 | 9 | 20 | 28 | 33 | 6 | 13 | 01 | 15 | ♄ | ♈ | 6 | 34 | 21 |
| *Septemb.* Day 12 | 8 | 11 | 20 | 24 | 8 | 11 | 19 | 48 | ♅ | ♈ | 10 | 32 | 57 |
| Hours 3 | | | 7 | 24 | | | 7 | 24 | ♂ | ♍ | 21 | 28 | 40 |
| 9′ 36″ | | | | 24 | | | | 24 | ♀ | ♌ | 29 | 2 | 46 |
| Middle Mot. ☉ | 6 | 1 | 56 | 45 | 2 | 24 | 28 | 51 | ☿ | ♏ | 29 | 35 | 26 |
| Proſthaph. Sub. | | 1 | 56 | 45 | | | | | ☽ | ♎ | 26 | 00 | 18 |
| Sun's Place. | ♎ | 00 | 00 | 00 | ☉ enters ♎ | | | | ☊ | ♋ | 24 | 31 | 36 |

*The Sun's Ingreſs into* ♑, &c.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1702 | 9 | 20 | 28 | 33 | 6 | 13 | 01 | 15 | ♄ | ♈ | 2 | 57 | 43 |
| *Decemb.* Day 10 | 11 | 9 | 3 | 45 | 11 | 9 | 2 | 44 | ♅ | ♈ | 5 | 16 | 54 |
| Hours 17 | | | 41 | 53 | | | 41 | 53 | ♂ | ♓ | 17 | 16 | 24 |
| 21′ 42″ | | | | 53 | | | | 53 | ♀ | ♐ | 20 | 28 | 58 |
| Middle Mot. ☉ | 9 | 0 | 15 | 4 | 5 | 22 | 46 | 45 | ☿ | ♐ | 8 | 46 | 16 |
| Proſthaph. Sub. | | | 15 | 4 | | | | | ☽ | ♒ | 13 | 36 | 32 |
| Sun's Place. | ♑ | 00 | 00 | 00 | ☉ enters ♑ | | | | ☊ | ♋ | 19 | 47 | 50 |

*Of*

## *Of the Eclipſes this Year* 1702.

ACcording to Aſtronomical Computation, three times this Year will the Two Luminaries be eclipſed; twice the Sun, and once the Moon; whereof only that of the Moon will be Viſible in our Horizon.

The Firſt is an Eclipſe of the Sun on the 16*th* Day of *January*, at 13 ho. 34′ P. M. or 1 ho. 34′ after Midnight; ſo cannot be ſeen here, but will be conſpicuous in the Southern Parts of the World, as in the Iſlands of the *Chineſis* Ocean, and upon the Coaſts of the *Molucco's* near *Nova Guinea*, and the Parts adjacent.

The Second is a Solar Eclipſe alſo on the 13*th*. day of *July* near 10 at Night, the Luminaries being then under the Earth, ſo cannot appear here; but will appear a great Eclipſe to ſuch as inhabit ſome Parts of *Mexicana* in *Agama*, in the further Parts of *North America*, and in the Kingdom of *Quivira*, &c.

The Third is a Viſible Eclipſe of the Moon, on *Wedneſday* the 23*d*. of *December*, in the Morning, according to the following Calculation.

| | D. | H. | ′ | ″ |
|---|---|---|---|---|
| The middle Time of the true ☉ *Decemb.* | 22 | 18 | 47 | 15 |
| The true Place of the Sun | ♑ | 12 | 17 | 54 |
| The Eccentrick Place of the Moon | ♋ | 12 | 17 | 54 |
| The Anomaly of the Sun | 6 | 4 | 39 | 54 |
| The Anomaly of the Moon | 1 | 16 | 30 | 30 |
| The Argument of the Moon's Latitude | 11 | 23 | 9 | 23 |
| Reduction Add | | | 1 | 32 |
| Time of Reduction Subſtract | | | 3 | 15 |
| The true ☉ in reſpect of the Ecliptick *Dec.* | 22 | 18 | 44 | 00 |
| The Equation of Time Subſtract | | | 4 | 17 |
| The Apparent Time of the true ☉, *Decemb.* | 22 | 18 | 39 | 43 |

| | D. | H. | ′ | ″ |
|---|---|---|---|---|
| Sum of the Horizontal *Parallaxis* of ☉ and ☽ | | | 54 | 26 |
| The Sun's Semidiameter Sub. | | | 16 | 30 |
| The Apparent Semidiameter of the Earth's Shad. | | | 37 | 56 |
| The Moon's Semidiameter Add | | | 15 | 5 |
| The Sum of the Semidiameters | | | 53 | 1 |
| The true Latitude ☽ So. Decend. Sub. | | | 35 | 43 |
| The Scruples deficient | | | 17 | 18 |
| The Digits eclipsed 6°. 52′ 40″ | 6 | | 52 | 40 |
| The Scruples of Incidence | | | 39 | 11 |
| The time of Incidence | | 1 | 23 | 22 |
| The total Duration | | 2 | 46 | 44 |
| The Interval Add. | | | 6 | 33 |

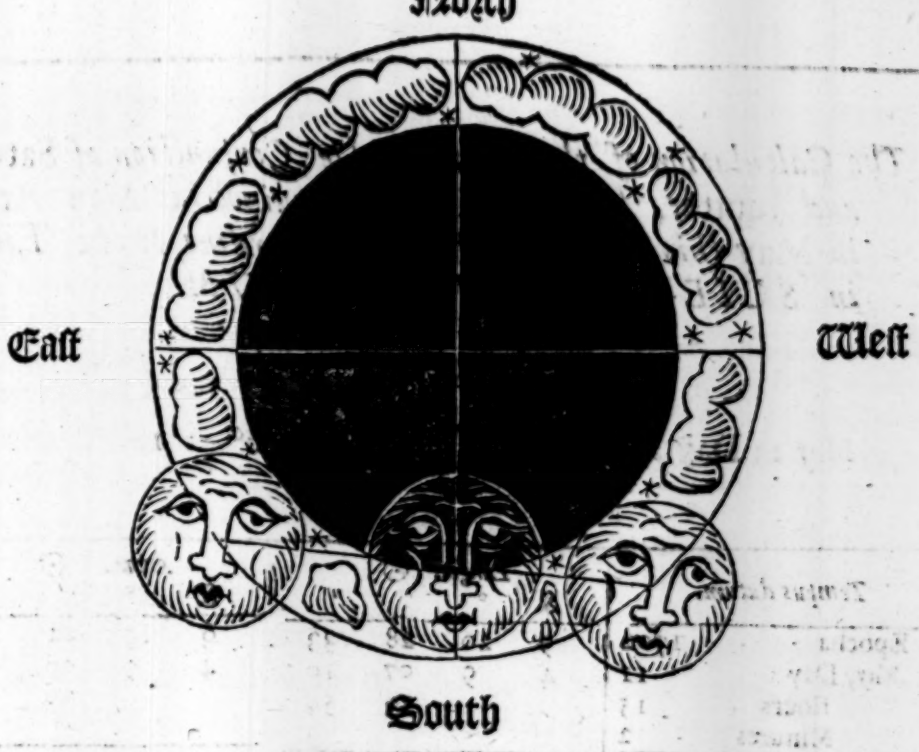
Therefore

| | | H. | ′ | ″ | |
|---|---|---|---|---|---|
| The | Beginning of the Eclipse | 17 | 22 | 54 | P.M. |
| | True Opposition | 18 | 39 | 43 | |
| | Middle or greatest Obscu: | 18 | 46 | 16 | |
| | End of the Eclipse | 20 | 9 | 38 | |

| | | ′ | ″ | |
|---|---|---|---|---|
| The | True Latitude of the Moon at beginning | 39 | 30 | So. *Dec.* |
| | True Latitude of the Moon at the End | 32 | 1 | |

A

## A Type of this Eclipse.




Here is one thing remarkable that may invite the Curious in this Science to make Observation of this Eclipse; for the Moon will (according to the preceding Calculation) get quit of the Earth's Shadow 9′ 44″ before the Moon sets, and 5′ 32″ before the Sun rises: for at the time of the End of the Eclipse the Sun's Declination is 22° 55′ 13″, and his R. A. 103° 20′ 55″, and Asc. Diff. 32° 9′ 19″. Hence O. D. is 71° 11′ 36″. Again, the Moon's Declination is 23° 31′ 6″, her R. A. 103° 20′ 57″, and A. Diff. 33° 12′ 52″, and by Consequence her O. D. 136° 33′ 49″ from which take the Sun's O.D. and the Remainder is 65° 22′ 13″, which gives in time 4 ho. 21′ 29″, to which add 3 ho. 51′ 23″, the time of Sun seting that Evening, and the Sum is 8 ho. 12′ 52″

for the Time of the Moon's ſetting that Morning. Now, in reſpect (at the End hereof) the Luminaries appear in the Horizon, the Moon will appear to ſet ſomewhat later, and the Sun to riſe ſooner, according to the Quantity of Refractions, which are greateſt there.

*The Calculation of that Remarkable Conjunction of* Saturn *and* Jupiter, *happening in the Equinoctial Sign* Aries, *in* May *this preſent Year* 1702, *according to the Tables in* SCIENTIA STELLARUM.

H. ′ ″

*May* 11 Day at $\left\{\begin{matrix}15\ 2\ 00\ \text{M.T.}\\ 15\ 10\ 33\ \text{A.T.}\end{matrix}\right\}$ in 6° 42′ 12″ ♈

| *Tempus datum.* | | *Longit.* ☉ S. | ° | ′ | ″ | *Anom.* ☉ S. | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|---|
| Epocha | 1702 | 9 | 20 | 28 | 33 | 6 | 13 | 01 | 15 |
| *May*, Day | 11 | 4 | 9 | 07 | 10 | 4 | 9 | 06 | 48 |
| Hours | 15 | | | 36 | 58 | | | 36 | 58 |
| Minutes | 2 | | | | 5 | | | | 5 |
| Middle Motion | ☉ | 2 | 0 | 12 | 46 | 10 | 22 | 45 | 6 |
| Proſthaph. add. | | | 1 | 10 | 8 | | 500621 | | |
| Sun's Place | | ♊ | 1 | 22 | 54 | | | | |

For

## *For the Longitude of* Saturn.

| Tempus datum. | Longit. ♄ S. ° ′ ″ | Anom. ♄ S. ° ′ ″ | Node ♄ S. ° ′ ″ | ♄ |
|---|---|---|---|---|
| Epocha 1702 | 0 3 51 00 | 3 5 43 00 | 3 21 34 00 | Node. |
| *May* 11 | 4 23 00 | 4 23 00 | 0 1 40 56 | Ecl. place. |
| 15 hours 2′ | 1 15 | 1 15 | 8 10 6 56 | Arg. Lat. |
| Mean mot. ♄ | 0 8 15 15 | 3 10 7 15 | 597562 | Logar. ♄ |
| Proſt. Sub. | 6 34 19 | | 500621 | Logar. ☉ |
| Eclipt. place. | 0 1 40 56 | Tang. 903039 | 6° 7′ 18″ | Add. 45° |
| Sun's place. | 2 1 22 54 | Co. tan. 990648 | 51 7 18 | Sum. |
| Anom. Com. | 1 29 41 58 | Tang. 975881 | 29 50 59 | Ano. Orb ♄ |
| Par. Orb. ad | 5 1 16 | Tang. 966529 | 24 49 40 | Half Diff. |
| Longit. ♄ | ♈ 6 42 12 | 5° 1′ 13″ P.Orb. | 54 40 45 | Elongat. |

## *For the Latitude of* ♄.

| | | | |
|---|---|---|---|
| Elongation ♄ á ☉ | 54° 40′ 45″ | S. | A. C. 008836 |
| Anomaly Commutation | 59 41 58 | S. | 993620 |
| Inclination of the Ecliptick | 2 21 30 | ct | 1138527 |
| Latitude ♄ So. Aſcending | 2 13 40 | ct | 1140983 |

## *For the Longitude of* ♃.

| Tempus datum. | Longit. ♃ S. ° ′ ″ | Anom. ♃ S. ° ′ ″ | Node ♃ S. ° ′ ″ | ♃ |
|---|---|---|---|---|
| Epocha 1702 | 11 17 21 00 | 5 7 18 00 | 3 7 18 00 | Node |
| *May* 11 | 10 54 00 | 10 54 00 | 11 27 7 17 | & cl. place |
| 15 hours 2′ | 3 7 | 3 7 | 8 19 49 17 | Arg. Lat. |
| Mean mot. ♃ | 11 28 18 7 | 5 18 15 7 | 569651 | Logar. ♃ |
| Proſt. Sub. | 1 10 50 | | 500621 | Logar. ☉ |
| Eclipt. place. | 11 27 7 17 | Tang. 930970 | 11° 31′ 55″ | Add. 45° |
| Sun's Place | 2 1 22 54 | Co. tan. 982025 | 56 31 55 | Sum. |
| Anom. Com. | 2 4 15 37 | Tang. 979797 | 32 7 48 | Ano. Orb. ♃ |
| Par. Orb. ad | 9 34 55 | Tang. 961822 | 22 32 48 | Half Differ. |
| Longit. ♃ | ♈ 6 42 12 | 9° 35′ 0″ P.Orb. | 54 40 36 | Elongat. |

## *For the Latitude of* ♃.

| | | | |
|---|---|---|---|
| Elongation ♃ á ☉ | 54° 40′ 36″ | S | A C. 008837 |
| Anomaly Commutation | 64 15 37 | S | 995461 |
| Inclination of the Ecliptick | 1 20 38 | c. t. | 1162865 |
| Latitude ♃ So. Aſcending | 1 13 12 | c. t. | 1167163 |

JA-

## The Diurnal Motion of the Planets.

| Days | ☉ ♒ | ☽ ♌ | Lat. ☽ | ♄ ♓ | ♃ ♓ | ♂ ♍ | ♀ ♓ | ☿ ♒ | ☊ ♌ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 21 57 | 2 ♋ 37 | 2 S 53 | 22 7 | 7 11 | 16 18 | 7 46 | 0 19 | 7 59 |
| 2 | 22 59 | 15 55 | 1 50 | 22 12 | 7 23 | 16 55 | 8 53 | 1 29 | 7 55 |
| 3 | 24 0 | 29 32 | 0 43 | 22 17 | 7 35 | 17 31 | 10 0 | 2 41 | 7 52 |
| ☉ 4 | 25 1 | 13 ♍ 19 | 0 N 29 | 22 22 | 7 47 | 18 7 | 11 6 | 3 56 | 7 49 |
| 5 | 26 2 | 27 20 | 1 40 | 22 27 | 7 59 | 18 44 | 12 13 | 5 13 | 7 46 |
| 6 | 27 3 | 11 ♎ 28 | 2 47 | 22 32 | 8 12 | 19 20 | 13 19 | 6 33 | 7 43 |
| 7 | 28 4 | 25 39 | 3 50 | 22 38 | 8 24 | 19 56 | 14 25 | 7 55 | 7 40 |
| 8 | 29 5 | 9 ♏ 51 | 4 39 | 22 43 | 8 37 | 20 32 | 15 30 | 9 18 | 7 36 |
| 9 | 0 ♒ 6 | 24 34 | 4 57 | 22 48 | 8 50 | 21 7 | 16 35 | 10 43 | 7 23 |
| 10 | 1 7 | 8 ♐ 10 | 5 17 | 22 54 | 9 3 | 21 43 | 17 40 | 12 9 | 7 30 |
| ☉ 11 | 2 8 | 22 10 | 5 4 | 23 0 | 9 16 | 22 19 | 18 44 | 13 36 | 7 27 |
| 12 | 3 9 | 6 ♑ 8 | 4 30 | 23 6 | 9 29 | 22 54 | 19 48 | 15 4 | 7 24 |
| 13 | 4 10 | 20 2 | 3 51 | 23 12 | 9 43 | 23 30 | 20 52 | 16 33 | 7 21 |
| 14 | 5 10 | 3 ♒ 45 | 2 51 | 23 18 | 9 56 | 24 6 | 21 55 | 18 2 | 7 18 |
| 15 | 6 11 | 17 12 | 1 46 | 23 23 | 10 10 | 24 41 | 22 58 | 19 32 | 7 15 |
| 16 | 7 12 | 0 ♓ 26 | 0 35 | 23 29 | 10 23 | 25 17 | 24 0 | 21 3 | 7 12 |
| 17 | 8 13 | 13 26 | 0 S 33 | 23 35 | 10 37 | 25 53 | 25 2 | 22 34 | 7 9 |
| ☉ 18 | 9 14 | 26 14 | 1 38 | 23 41 | 10 50 | 26 28 | 26 4 | 24 6 | 7 5 |
| 19 | 10 15 | 8 ♈ 36 | 2 40 | 23 47 | 11 3 | 27 4 | 27 6 | 25 39 | 7 2 |
| 20 | 11 16 | 21 43 | 3 33 | 23 53 | 11 17 | 27 40 | 28 8 | 27 13 | 6 59 |
| 21 | 12 16 | 3 ♉ 54 | 4 18 | 23 59 | 11 30 | 28 16 | 29 9 | 28 47 | 6 55 |
| 22 | 13 17 | 14 59 | 4 55 | 24 5 | 11 44 | 28 51 | 0 ♉ 10 | 0 ♓ 22 | 6 52 |
| 23 | 14 18 | 26 50 | 5 10 | 24 11 | 11 57 | 29 27 | 1 10 | 1 58 | 6 49 |
| 24 | 15 19 | 8 ♊ 39 | 5 16 | 24 18 | 12 11 | 0 ♑ 2 | 2 9 | 3 35 | 6 46 |
| ☉ 25 | 16 20 | 20 35 | 5 7 | 24 24 | 12 24 | 0 37 | 3 8 | 5 13 | 6 43 |
| 26 | 17 20 | 2 ♋ 39 | 4 43 | 24 31 | 12 38 | 1 13 | 4 7 | 6 51 | 6 39 |
| 27 | 18 21 | 15 0 | 4 5 | 24 37 | 12 51 | 1 48 | 5 5 | 8 30 | 6 36 |
| 28 | 19 22 | 27 38 | 3 14 | 24 44 | 13 5 | 2 24 | 6 2 | 10 10 | 6 33 |
| 29 | 20 23 | 10 ♌ 41 | 2 12 | 24 50 | 13 19 | 2 59 | 6 58 | 11 51 | 6 30 |
| 30 | 21 24 | 24 6 | 1 4 | 24 57 | 13 33 | 3 34 | 7 54 | 13 33 | 6 27 |
| 31 | 22 24 | 7 ♎ 55 | 0 N 8 | 25 4 | 13 47 | 4 10 | 8 50 | 15 15 | 6 24 |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 11 | 1 | 7 | 0 | 59 | 0 | 56 | 0 | 35 | 1 |
| 2 | 10 | 1 | 7 | 0 | 55 | 0 | 34 | 0 | S 4 | 6 |
| 2 | 9 | 1 | 6 | 0 | 54 | 0 | 9 | 0 | 42 | 11 |
| 2 | 9 | 1 | 6 | 0 | 52 | 0 | N 19 | 1 | 13 | 16 |
| 2 | 8 | 1 | 6 | 0 | 49 | 0 | 50 | 1 | 38 | 21 |
| 2 | 7 | 1 | 5 | 0 | 46 | 1 | 23 | 1 | 55 | 26 |

## The Lunar Aſpects.

| Jan. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orient. | ♀ Occid. | ☿ Orient. | Planets Mutual Aſpects. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Circum. | | | 8 △17 | | 10△12 | | ✶☉♄ | 12 |
| 2 | b | Abel | 1♑ 8 27 | 11△ 6 | | 1 △51 | | | ☽ with *Pollux*. | 13 |
| 3 | c | Enoch | | | | | | | ☽☌♃ 5 ho. 40′ | 14 |
| 4 | D | Seth | | | | 8 □35 | | | | 15 |
| 5 | e | Simeon | | | 18 8 26 | | | 14△46 | | 16 |
| 6 | f | *Epiphany* | | 18 8 48 | | 13✶52 | 3 8 21 | | | 17 |
| 7 | g | Juliana | 4 △24 | | | | | 22□54 | ✶♅♀ | 18 |
| 8 | a | Erhard | | | | | | | | 19 |
| 9 | b | Marcel. | 11□ 5 | | | | | | | 20 |
| 10 | c | Agath. | | | 1 △32 | | 17△37 | 7 ✶40 | ☽ ☌ Lu. Coronæ. | 21 |
| 11 | D | 1 *aſt. Ep.* | 18✶27 | 1 △26 | | 0 ☌10 | | | at 7 ho. 38′ | 22 |
| 12 | e | Satyrius | | | 5 □50 | | | | △♄☌ | 23 |
| 13 | f | Hilar. B. | | 5 □27 | | | 1 □40 | | | 24 |
| 14 | g | Fælix | | | 11✶13 | | | | | 25 |
| 15 | a | Maurit. | | 11✶15 | | 14✶15 | 11✶22 | 4 ☌47 | ☌♄♀ | 26 |
| 16 | b | Marcell. | 13☌34 | | | | | | ☉ Eclipſed inviſib. | 27 |
| 17 | c | Anthon. | | | | | | | ✶♄♀ ☽♌ | 28 |
| 18 | D | 2 *p. Epip.* | | | | 0 □14 | | | | 29 |
| 19 | e | Agneta | | | 4 ☌50 | | | | △☌♀ | 30 |
| 20 | f | Fa. & Se. | | 5 ☌43 | | 13△40 | 15☌23 | 14✶ 6 | ✶☌♀ | 31 |
| 21 | g | Agneta | 20✶ 3 | | | | | | Aldebaran. | 1 |
| 22 | a | Vinc. | | | | | | | ♊ | |
| 23 | b | Emer. | | | | | | 12□ 6 | 5 36 39 | Feb. |
| 24 | c | Timoth. | 14□43 | | 7 ✶12 | | | | Nar. ☌ | |
| 25 | D | *Co S. P.* | | 7 ✶40 | | 21 8 5 | | | Cor Leonis. | 5 |
| 26 | e | Polyc. | | | 19□47 | | 3 ✶ 6 9 | △30 | ♌ | 6 |
| 27 | f | Jo. Chr. | 6 △56 | 18□36 | | | | | 25 41 39 | 7 |
| 28 | g | Car. Ma. | | | | | 18□ 1 | | ☌ Nar. ♅ | 8 |
| 29 | a | Valerius | | | 4 △ 7 | | | | | 9 |
| 30 | b | K. C. ma. | | | | 17△30 | | | | 10 |
| 31 | c | Cyriac. | | 1 ∠40 | | | 1 △38 | 13 8 20 | ☽☌ | 11 |

| | ☽ | ♄ | ♐ | ♅ | ♐ | ☌ | ♎ | ☉ | ♋ | ♀ | ♉ | ☿ | ♏ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 27 | 16 | 15 | 12 | 12 | 46 | 21 | 57 | 25 | 41 | 2♏ | 19 | 2✶♄♀. 5△♅♀ |
| Heliocentrick Places of the Planets. | 6 | 27 | 26 | 15 | 40 | 15 | 5 | 27 | 3 | 3♊ | 45 | 17 | 17 | 6△♄☉. 9△♄♀ |
| | 11 | 27 | 37 | 16 | 7 | 17 | 25 | 2♌ | 8 | 11 | 48 | 1♐ | 13 | 10△☉♀. 14☌♅♀ |
| | 16 | 27 | 47 | 16 | 34 | 19 | 44 | 7 | 12 | 19 | 53 | 15 | 6 | 16□♅♀. 18✶☌♀ |
| | 21 | 27 | 57 | 17 | 2 | 22 | 4 | 12 | 16 | 27 | 59 | 28 | 54 | 20 8 ♀♀. □♄♀ 20. |
| | 26 | 28 | 8 | 17 | 30 | 24 | 23 | 17 | 20 | 6♋ | 4 | 13♍ | 13 | 21□♄♀ |

FE-

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♅ | ♂ | ♀ | ☿ | ♌ | ♎ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | ♒ 23 25 | 22 8 | 1 N 21 | 25 10 | 14 1 | 4 45 | 9 45 | 16 58 | 6 21 | | |
| 2 | 24 25 | 6 ♏ 36 | 2 32 | 25 17 | 14 15 | 5 20 | 10 41 | 18 41 | 6 18 | | |
| 3 | 25 26 | 21 14 | 3 36 | 25 24 | 14 29 | 5 55 | 11 36 | 20 26 | 6 15 | | |
| 4 | 26 26 | 5 ♐ 53 | 4 24 | 25 31 | 14 43 | 6 30 | 12 30 | 22 12 | 6 12 | | |
| 5 | 27 27 | 20 29 | 4 57 | 25 38 | 14 57 | 7 4 | 13 22 | 23 58 | 6 9 | | |
| 6 | 28 27 | 4 ♑ 45 | 5 14 | 25 45 | 15 12 | 7 39 | 14 13 | 25 46 | 6 5 | | |
| 7 | 29 28 | 19 7 | 4 52 | 25 52 | 15 26 | 8 13 | 15 4 | 27 34 | 6 2 | | |
| 8 | ♓ 0 28 | 3 ♒ 34 | 4 42 | 25 59 | 15 41 | 8 48 | 15 54 | 29 23 | 5 59 | | |
| 9 | 1 29 | 16 47 | 3 57 | 26 6 | 15 55 | 9 22 | 16 44 | ♓ 1 13 | 5 56 | | |
| 10 | 2 29 | 0 ♓ 14 | 3 2 | 26 13 | 16 10 | 9 57 | 17 33 | 3 45 | 5 53 | | |
| 11 | 3 29 | 13 30 | 1 56 | 26 20 | 16 24 | 10 31 | 18 22 | 4 56 | 5 50 | | |
| 12 | 4 30 | 26 36 | 0 49 | 26 27 | 16 39 | 11 5 | 19 10 | 6 48 | 5 46 | | |
| 13 | 5 30 | 9 ♈ 29 | 0 S 19 | 26 34 | 16 53 | 11 39 | 19 57 | 8 41 | 5 43 | | |
| 14 | 6 31 | 22 12 | 1 25 | 26 41 | 17 8 | 12 13 | 20 43 | 10 35 | 5 40 | | |
| ☾ | 7 30 | 4 ♉ 44 | 2 30 | 26 48 | 17 22 | 12 47 | 21 27 | 12 29 | 5 37 | | |
| 16 | 8 31 | 17 3 | 3 20 | 26 56 | 17 37 | 13 21 | 22 10 | 14 24 | 5 34 | | |
| 17 | 9 31 | 29 13 | 4 4 | 27 3 | 17 51 | 13 55 | 22 52 | 16 20 | 5 31 | | |
| 18 | 10 31 | 11 ♊ 13 | 4 38 | 27 10 | 18 6 | 14 29 | 23 33 | 18 16 | 5 27 | | |
| 19 | 11 31 | 23 9 | 5 0 | 27 17 | 18 20 | 15 2 | 24 12 | 20 12 | 5 24 | | |
| 20 | 12 31 | 4 ♋ 59 | 5 11 | 27 25 | 18 35 | 15 36 | 24 50 | 22 8 | 5 21 | | |
| 21 | 13 31 | 16 49 | 5 8 | 27 32 | 18 49 | 16 10 | 25 26 | 24 3 | 5 18 | | |
| ☾ | 14 31 | 28 44 | 4 49 | 27 39 | 19 4 | 16 43 | 26 1 | 25 58 | 5 14 | | |
| 23 | 15 31 | 10 ♌ 49 | 4 17 | 27 47 | 19 18 | 17 17 | 26 35 | 27 51 | 5 11 | | |
| 24 | 16 31 | 23 53 | 3 32 | 27 54 | 19 33 | 17 50 | 27 8 | 29 42 | 5 8 | | |
| 25 | 17 31 | 5 ♍ 42 | 2 33 | 28 2 | 19 47 | 18 24 | 27 39 | ♈ 1 30 | 5 4 | | |
| 26 | 18 31 | 18 43 | 1 28 | 28 9 | 20 2 | 18 57 | 28 9 | 3 16 | 5 1 | | |
| 27 | 19 31 | 2 ♎ 12 | 0 15 | 28 17 | 20 16 | 19 30 | 28 36 | 4 59 | 4 58 | | |
| 28 | 20 30 | 16 8 | 0 N 58 | 28 25 | 20 31 | 20 3 | 29 1 | 6 39 | 4 55 | | |

The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 7 | 1 | 5 | 0 | 43 | 2 | 5 | 2 | 3 | 1 |
| 2 | 7 | 1 | 5 | 0 | 39 | 2 | 43 | 2 | 0 | 6 |
| 2 | 7 | 1 | 5 | 0 | 35 | 3 | 22 | 1 | 44 | 11 |
| 2 | 6 | 1 | 5 | 0 | 31 | 4 | 3 | 1 | 15 | 16 |
| 2 | 6 | 1 | 5 | 0 | 27 | 4 | 45 | 0 | 32 | 21 |
| 2 | 6 | 1 | 5 | 0 | 23 | 5 | 26 | 0 N | 27 | 26 |

FE-

## The Lunar Aſpects.

| Ju.A | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orient. | ♀ Occid. | ☿ Orient. | Planets Mutual Aſpects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | Septuag. | 2 8 22 | | | 21 □ 56 | | | Pollux | 12 |
| 2 | e | Pu.V.M. | | | 12 8 46 | | | | ♋ | 13 |
| 3 | f | Blaſe E. | | 6 8 52 | | | | | 19 7 43 | 14 |
| 4 | g | Veron. | | | | 1 ✶ 6 | 12 8 4 | | Nat. ♂ | 15 |
| 5 | a | Agatha. | 12 △ 30 | | | | | 6 △ 40 | N. Aſſellus | 16 |
| 6 | b | Doroth. | | 15 △ 33 | 19 △ 20 | | | | ♌ | 17 |
| 7 | c | Zachar. | 0 □ 40 | | | | | 16 □ 43 | 3 21 43 | 18 |
| 8 | D | Sexageſ | | | 22 □ 40 | 10 ♂ 31 | 23 △ 54 | | ♂ Nat. ☉ | 19 |
| 9 | e | Apollon | | 16 □ 47 | | | | | ♂ ☉ ♀ | 20 |
| 10 | f | Schol. | 4 ✶ 25 | | 5 ✶ 25 | | | 6 ✶ 0 | ☽ ♃ with the ſhin- | 21 |
| 11 | g | Euphr. | | 23 ✶ 45 | | | 9 □ 30 | Occid. | ing Harp. | 22 |
| 12 | a | Euſrace | | | | | | | 19h. 54′ | 23 |
| 13 | b | Euſtace | | | | 4 ✶ 16 | 21 ✶ 0 | | ☽ ♍ | 24 |
| 14 | c | Valent. | | | | | | | | 25 |
| 15 | D | Quinqu. | 5 ♂ 48 | | | 16 □ 28 | | 17 ♑ 55 | □ ♂ ♀ | 26 |
| 16 | e | Juliana. | | 19 ♂ 42 | 1 ♂ 4 | | | | | 27 |
| 17 | f | Dioſco. | | | | | | | | 28 |
| 18 | g | Concor. | | | | 6 △ 53 | | | ♂ ♃ ♀ | 1 Mar. |
| 19 | a | Romin. | | | | | 2 ♂ 11 | | S. Aſſellus. | |
| 20 | b | Mildr. | 15 ✶ 13 | | | | | | ♌ | |
| 21 | c | Eſaias | | 21 ✶ 30 | 4 ✶ 7 | | | 17 ✶ 20 | 4 32 46 | 4 |
| 22 | D | Quadr. | | | | | | | ☉ Nat. ♂ | 5 |
| 23 | e | Serenus | 10 □ 0 | | 17 □ 0 | 13 8 17 | | | ♂ ♄ ♀ | 6 |
| 24 | f | S. Matt. | | 9 □ 18 | | | 8 ✶ 2 | 14 ♐ 38 | | 7 |
| 25 | g | Inv. Pa | 23 △ 36 | | | | | | | 8 |
| 26 | a | Sime. B. | | 17 △ 0 | 2 △ 23 | | 17 □ 22 | | | 9 |
| 27 | b | Neſtor. | | | | | | 5 △ 29 | □ ☉ ♂. ☽ ♋. | 10 |
| 28 | c | Roman. | | | | 6 △ 47 | | | ♂ ♃ ☉ | 11 |

| | D | ♄ | ♓ | ♃ | ♓ | ♂ | ♎ | ☉ | ♌ | ☿ | ♋ | ♀ | ♒ | Heliocentr. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 28 | 19 | 18 | 2 | 27 | 17 | 23 | 25 | 15 | 47 | 1 | ♒ 49 | 3 △ ♃ ♀. 7 ✶ ♂ ☉ |
| | 6 | 28 | 29 | 18 | 29 | 29 | 41 | 28 | 27 | 23 | 54 | 19 | 5 | 9 △ ♄ ♀. 9 8 ☉ ☿ |
| | 11 | 28 | 39 | 18 | 57 | 2 | ♏ 6 | 3 | ♑ 29 | 1 | ♌ 59 | 8 | ♓ 44 | 9 △ ♂ ♀, ♂ ♃ 9 18 |
| | 16 | 28 | 49 | 19 | 04 | 4 | 32 | 8 | 31 | 10 | 6 | 1 | ♈ 36 | ♂ ♄ ☿ ♀ 16. △ ♀ ☿ 18 |
| | 21 | 28 | 59 | 19 | 52 | 6 | 5½ | 13 | 31 | 18 | 13 | 28 | 27 | 26 ✶ ♃ ☿. 26 8 ♃ ☉ |
| | 26 | 29 | 10 | 20 | 19 | 9 | 26 | 18 | 31 | 26 | 18 | 28 | ♉ 56 | 25 □ ♀ ☽ |

## The Diurnal Motions of the Planets.

| Days. | ☉ ♓ | ☽ ♍ | Lat. ☽ | ♄ ♓ | ♃ ♓ | ♂ ♐ | ♀ ♈ | ☿ ♈ | ♋ | ♌ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| ☉ | 21 30 | 0 ♍32 | 2 N 9 | 28 33 | 20 45 | 20 35 | 29 24 | 8 15 | 4 52 |
| 2 | 22 30 | 15 20 | 3 14 | 28 40 | 20 59 | 21 7 | 29 47 | 9 48 | 4 49 |
| 3 | 23 30 | 0 ♎19 | 4 9 | 28 48 | 21 14 | 21 40 | 0 ♉ 9 | 11 16 | 4 46 |
| 4 | 24 29 | 15 21 | 4 46 | 28 56 | 21 28 | 22 12 | 0 29 | 12 39 | 4 42 |
| 5 | 25 29 | 0 ♏18 | 5 5 | 29 3 | 21 42 | 22 44 | 0 47 | 13 47 | 4 39 |
| 6 | 26 29 | 14 58 | 5 3 | 29 11 | 21 57 | 23 16 | 1 3 | 14 52 | 4 36 |
| 7 | 27 28 | 29 21 | 4 43 | 29 18 | 22 11 | 23 48 | 1 16 | 15 51 | 4 32 |
| ☉ | 28 28 | 13 ♐23 | 4 3 | 29 26 | 22 25 | 24 19 | 1 27 | 16 42 | 4 29 |
| 9 | 29 27 | 26 57 | 3 12 | 29 33 | 22 40 | 24 51 | 1 35 | 17 29 | 4 26 |
| 10 | 0 ♈26 | 10 ♑16 | 2 9 | 29 40 | 22 54 | 25 22 | 1 41 | 18 10 | 4 23 |
| 11 | 1 26 | 23 20 | 0 57 | 29 47 | 23 8 | 25 52 | 1 45 | 18 42 | 4 20 |
| 12 | 2 25 | 6 ♒ 8 | 0 S 10 | 29 55 | 23 23 | 26 23 | 1 47 | 19 7 | 4 17 |
| 13 | 3 24 | 18 46 | 1 15 | 0 ♈ 2 | 23 37 | 26 53 | 1 ℞ 47 | 19 22 | 4 14 |
| 14 | 4 24 | 1 ♓13 | 2 16 | 0 9 | 23 51 | 27 24 | 1 43 | 19 ℞ 29 | 4 11 |
| ☉ | 5 23 | 13 34 | 3 12 | 0 17 | 24 6 | 27 54 | 1 37 | 19 28 | 4 7 |
| 16 | 6 22 | 25 45 | 3 57 | 0 24 | 24 20 | 28 25 | 1 29 | 19 23 | 4 4 |
| 17 | 7 21 | 7 ♈54 | 4 29 | 0 32 | 24 34 | 28 55 | 1 18 | 19 12 | 4 1 |
| 18 | 8 20 | 17 53 | 4 49 | 0 39 | 24 49 | 29 25 | 1 5 | 18 54 | 3 58 |
| 19 | 9 19 | 1 ♉46 | 5 4 | 0 47 | 25 3 | 29 55 | 0 49 | 18 29 | 3 55 |
| 20 | 10 18 | 13 38 | 5 0 | 0 54 | 25 17 | 0 ♍25 | 0 30 | 18 0 | 3 52 |
| 21 | 11 17 | 25 29 | 4 48 | 1 1 | 25 31 | 0 55 | 0 9 | 17 27 | 3 49 |
| ☉ | 12 16 | 7 ♊25 | 4 16 | 1 9 | 25 45 | 1 24 | 29 ♈45 | 16 49 | 3 45 |
| 23 | 13 15 | 19 29 | 3 37 | 1 16 | 25 59 | 1 54 | 29 19 | 16 7 | 3 42 |
| 24 | 14 14 | 1 ♋44 | 2 47 | 1 23 | 26 13 | 2 23 | 28 52 | 15 22 | 3 39 |
| 25 | 15 13 | 14 17 | 1 44 | 1 30 | 26 27 | 2 52 | 28 23 | 14 35 | 3 36 |
| 26 | 16 12 | 27 10 | 0 33 | 1 38 | 26 41 | 3 20 | 27 53 | 13 46 | 3 33 |
| 27 | 17 11 | 10 ♌29 | 0 N 37 | 1 45 | 26 55 | 3 49 | 27 22 | 12 58 | 3 29 |
| 28 | 18 10 | 24 17 | 1 47 | 1 52 | 27 9 | 4 17 | 26 50 | 12 12 | 3 26 |
| ☉ | 19 8 | 8 ♍29 | 2 53 | 2 0 | 27 23 | 4 45 | 26 16 | 11 29 | 3 23 |
| 30 | 20 7 | 23 8 | 3 53 | 2 7 | 27 37 | 5 13 | 25 41 | 10 50 | 3 19 |
| 31 | 21 6 | 8 ♎ 7 | 4 32 | 2 14 | 27 51 | 5 43 | 25 5 | 10 16 | 3 16 |

**The Latitude of the Planets.**

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 6 | 1 | 5 | 0 | 18 | 5 | 48 | 1 | 5 | 1 |
| 2 | 6 | 1 | 5 | 0 | 12 | 6 | 25 | 2 | 8 | 6 |
| 2 | 6 | 1 | 6 | 0 | 5 | 7 | 1 | 2 | 57 | 11 |
| 2 | 6 | 1 | 6 | 0 | S 2 | 7 | 20 | 3 | 17 | 16 |
| 2 | 7 | 1 | 6 | 0 | 10 | 7 | 32 | 3 | 2 | 21 |
| 2 | 7 | 1 | 6 | 0 | 18 | 7 | 30 | 2 | 9 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days | ☉ | ♄ Occid. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Orien. | Planets Mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ☽ | 2 S. Lent | | | | | | | ☐ ♃ ♂ | 12 |
| 2 | e | Ced. B. | 12 8 17 | 21 8 33 | 9 8 13 | 9 ☐ 38 | | | | 13 |
| 3 | f | Cunig. | | | | | | 19 8 18 | ☐ ☉ ♂ | 14 |
| 4 | g | Adrian | | | | 11 ✶ 20 | | | | 15 |
| 5 | a | Phocas | | | | | ☌ 8 50 | | Pleiades | 16 |
| 6 | b | Frodel. | 20 △ 36 | 23 △ 55 | 11 △ 52 | | | | ♉ | 17 |
| 7 | c | Perpet. | | | | | | | 25 48 47 | 18 |
| 8 | ☽ | 3 S. Lent | | | 16 ☐ 14 | 22 ♂ ☌ | | 6 △ 16 | ♂ Nat. ☽ | 19 |
| 9 | e | Prudent. | 4 ☐ 51 | 4 ☐ 37 | | | 8 △ 33 | | ♂ ♄ ☉ | 20 |
| 10 | f | Agapit. | | Orient. | 23 ✶ 40 | | | 15 ☐ 10 | | 21 |
| 11 | g | Oſwin. | 16 ✶ 26 | 12 ✶ 13 | | | 16 ☐ 16 | | | 22 |
| 12 | a | Gregor. | | | | | | | ☽ ♌ | 23 |
| 13 | b | Euphr. | | | | 16 ✶ 20 | | 1 ✶ 11 | * Fomahant | 24 |
| 14 | c | Eutyc. | | | | | ☌ ✶ 56 | | ♂ ☽ at | 25 |
| 15 | ☽ | M. L. Su. | | | 21 ♂ 7 | | | | 22 ho. 50′ | 26 |
| 16 | e | Hereb. | 22 ♂ 53 | 9 ♂ 19 | | 5 ☐ 30 | | | | 27 |
| 17 | f | Gertr. | | | | | | 21 ♂ 45 | Virgins Spic. | 28 |
| 18 | g | Edw. R. | | | | 19 △ 47 | 22 ♂ ☌ | | ♍ | 29 |
| 19 | a | Joſeph. | | | | | | | 19 40 49 | 30 |
| 20 | b | Cuthb. | | | | | | | ♂ Nat. ♀ | 31 |
| 21 | c | Bened. | | 10 ✶ 20 | ☌ ✶ 4 | | | | ☐ ♄ ♂ | 1 |
| 22 | ☽ | 5 S. Lent | 10 ✶ 33 | | | | | 22 ✶ 40 | * Rigel | April |
| 23 | e | Victor. | | 23 ☐ 20 | 13 ☐ ☌ | | 18 ✶ 38 | | ♂ ☽ at | |
| 24 | f | Quirin. | | | | 1 8 19 | | | 17 ho. 17′ | |
| 25 | g | An. V. M. | 1 ☐ 52 | | 23 △ 2 | | | ☌ ☐ 33 | So. Ballance. | 5 |
| 26 | a | Caſtul. | | 8 △ 10 | | | 1 ☐ 16 | | ☽ ♌ ♏ | 6 |
| 27 | b | Joh. Er. | 12 △ 48 | | | | | 4 △ 6 | 10° 55′ 50″ | 7 |
| 28 | c | Gideon | | | | 17 △ 28 | 4 △ 5 | | ♀ Nat. ♄ | 8 |
| 29 | ☽ | Pal. Sun. | | | | | | | * Gir. of Androm. | 9 |
| 30 | e | Guido. | | 14 8 32 | 7 8 18 | 19 ☐ 56 | | | ♂ ☿ at | 10 |
| 31 | f | Balbina | | | | | | 3 8 18 | Noon. | 11 |

| | D | ♄ | ♓ | ♃ | ♓ | ♂ | ♏ | ☉ | ♍ | ♀ | ♍ | ☿ | ♊ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 29 | 16 | 20 | 35 | 19 | 57 | 21 | 30 | 1 | 10 | 18 | ♊ 7 | 2 ☐ ♃ ♀. 4 ☐ ♄ ♀ |
| | 6 | 29 | 26 | 21 | 2 | 13 | 25 | 26 | 29 | 9 | 15 | 19 | ♋ 16 | 4 ✶ ♀ ♀. 5 △ ♂ ♀ |
| | 11 | 29 | 36 | 21 | 29 | 15 | 57 | 1 | ♎ 26 | 17 | 20 | 17 | ♌ 15 | 7 △ ♃ ♀. 9 △ ♄ ♀ |
| | 16 | 29 | 46 | 21 | 56 | 18 | 29 | 6 | 22 | 25 | 25 | 11 | ♍ 12 | 10 8 ♄ ☉. 14 8 ♃ ♀ |
| | 21 | 29 | 57 | 22 | 24 | 21 | 2 | 11 | 17 | 3 | ♎ 29 | 1 | ♎ 37 | 18 8 ♄ ♀. 20 8 ♄ ♀ |
| | 26 | 0 | ♈ 8 | 22 | 51 | 23 | 36 | 16 | 12 | 11 | 31 | 19 | 29 | 20 ♂ ♀ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | ☽ | Lat. | ☽ | ♄ | ♃ | ♅ | ♂ | ♀ | ☿ | ☿ | ☊ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 22 5 | 23 13 | 4 N | 55 | 2 21 | 28 5 | 6 9 | 24 27 | 9 47 | 3 13 | | | | |
| 2 | 23 4 | 8 ♏ 44 | 5 | 7 | 2 28 | 28 19 | 6 36 | 23 48 | 9 21 | 3 10 | | | | |
| 3 | 24 3 | 23 59 | 4 | 45 | 2 35 | 28 33 | 7 4 | 23 9 | 8 58 | 3 7 | | | | |
| 4 | 25 1 | 8 ♐ 48 | 4 | 10 | 2 42 | 28 47 | 7 31 | 22 22 | 8 38 | 3 3 | | | | |
| ☉ | 26 0 | 23 10 | 3 | 20 | 2 49 | 29 1 | 7 58 | 21 56 | 8 22 | 3 0 | | | | |
| 6 | 26 58 | 6 ♑ 58 | 2 | 17 | 2 56 | 29 14 | 8 24 | 21 21 | 8 10 | 2 57 | | | | |
| 7 | 27 56 | 20 17 | 1 | 7 | 3 3 | 29 28 | 8 51 | 20 46 | 8 5 | 2 54 | | | | |
| 8 | 28 55 | 3 ♒ 19 | 0 S | 3 | 3 10 | 29 42 | 9 17 | 20 12 | 8 D | 5 2 51 | | | | |
| 9 | 29 53 | 15 59 | 1 | 8 | 3 17 | 29 56 | 9 42 | 19 39 | 8 11 | 2 48 | | | | |
| 10 | 0 ♉ 51 | 28 22 | 2 | 9 | 3 24 | 0 ♈ 10 | 10 7 | 19 7 | 8 22 | 2 45 | | | | |
| 11 | 1 50 | 10 ♓ 36 | 3 | 5 | 3 31 | 0 23 | 10 32 | 18 36 | 8 37 | 2 42 | | | | |
| ☉ | 2 48 | 22 44 | 3 | 56 | 3 38 | 0 36 | 10 56 | 18 7 | 8 56 | 2 38 | | | | |
| 13 | 3 47 | 4 ♈ 45 | 4 | 30 | 3 45 | 0 50 | 11 20 | 17 40 | 9 20 | 2 35 | | | | |
| 14 | 4 45 | 16 44 | 4 | 52 | 3 51 | 1 3 | 11 44 | 17 15 | 9 48 | 2 32 | | | | |
| 15 | 5 43 | 28 40 | 5 | 2 | 3 58 | 1 16 | 12 7 | 16 52 | 10 22 | 2 28 | | | | |
| 16 | 6 41 | 10 ♉ 34 | 4 | 57 | 4 5 | 1 29 | 12 31 | 16 33 | 11 1 | 2 25 | | | | |
| 17 | 7 39 | 22 29 | 4 | 42 | 4 11 | 1 42 | 12 59 | 16 14 | 11 44 | 2 22 | | | | |
| 18 | 8 37 | 4 ♊ 26 | 4 | 14 | 4 18 | 1 55 | 13 16 | 15 57 | 12 30 | 2 19 | | | | |
| ☉ | 9 35 | 16 26 | 3 | 38 | 4 25 | 2 8 | 13 38 | 15 44 | 13 18 | 2 16 | | | | |
| 20 | 10 33 | 28 33 | 2 | 50 | 4 31 | 2 21 | 14 c | 15 34 | 14 10 | 2 12 | | | | |
| 21 | 11 31 | 10 ♋ 51 | 1 | 49 | 4 38 | 2 34 | 14 22 | 15 26 | 15 4 | 2 9 | | | | |
| 22 | 12 29 | 23 24 | 0 | 45 | 4 44 | 2 47 | 14 43 | 15 19 | 16 2 | 2 6 | | | | |
| 23 | 13 27 | 6 ♌ 16 | 0 N | 22 | 4 51 | 2 59 | 15 4 | 15 D 13 | 17 3 | 2 3 | | | | |
| 24 | 14 25 | 19 31 | 1 | 30 | 4 57 | 3 12 | 15 24 | 15 13 | 18 6 | 2 0 | | | | |
| 25 | 15 23 | 3 ♍ 12 | 2 | 36 | 5 4 | 3 24 | 15 44 | 15 18 | 19 13 | 1 57 | | | | |
| ☾ | 16 21 | 17 21 | 3 | 38 | 5 10 | 3 37 | 16 3 | 15 24 | 20 22 | 1 54 | | | | |
| 27 | 17 19 | 1 ♎ 54 | 4 | 27 | 5 17 | 3 49 | 16 22 | 15 32 | 21 34 | 1 50 | | | | |
| 28 | 18 17 | 16 49 | 4 | 55 | 5 23 | 4 2 | 16 40 | 15 41 | 22 49 | 1 47 | | | | |
| 29 | 19 14 | 1 ♏ 52 | 5 | 4 | 5 30 | 4 14 | 16 58 | 15 52 | 24 7 | 1 44 | | | | |
| 30 | 20 12 | 17 0 | 4 | 50 | 5 36 | 4 26 | 17 15 | 16 4 | 25 28 | 1 41 | | | | |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 7 | 1 | 7 | 0 | 28 | 6 | 55 | 0 | 36 | 1 |
| 2 | 8 | 1 | 7 | 0 | 39 | 6 | 5 | 0 | S 42 | 6 |
| 2 | 8 | 1 | 8 | 0 | 50 | 4 | 58 | 1 | 46 | 11 |
| 2 | 9 | 1 | 8 | 1 | 2 | 3 | 39 | 2 | 30 | 16 |
| 2 | 9 | 1 | 9 | 1 | 15 | 2 | 38 | 3 | 0 | 21 |
| 2 | 10 | 1 | 10 | 1 | 29 | 1 | 34 | 3 | 4 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Theod. | | | | 20 ✶ 36 | 1 8 51 | | | 12 |
| 2 | a | Ma. Eg. | | | | | | | ☌ ☉ ♀ | 13 |
| 3 | b | Ulpian | | 13 △ 43 | 7 △ 25 | | Orien. | 23 △ 40 | * Antares | 14 |
| 4 | c | Ambro. | | | | | 21 △ 58 | | ☌ ☽ 18 ho. 54′ | 15 |
| 5 | D | *Eaſt. Da* | 5 △ 20 | 16 □ 58 | 10 □ 22 | | | | □ ☌ ♀ | 16 |
| 6 | e | Sixtus | | | | 2 ☌ 40 | | 2 □ 8 | * Shining Harp | 17 |
| 7 | f | Egeſip. | 15 □ 16 | 23 ✶ 42 | 20 ✶ 57 | | ☉ □ 53 | | ☌ ☽ at 7 ho. 33′ | 18 |
| 8 | g | Dionyſ. | | | | | | 9 ✶ 4 | ☽ ♍ | 19 |
| 9 | a | Vincent | | | | | | | Cor ♏ | 20 |
| 10 | b | Ezekiel | 3 ✶ 12 | | | 23 ✶ 54 | 6 ✶ 48 | | ♐ | 21 |
| 11 | c | Leo | | | | | | | 5° 37′ 40″ | 22 |
| 12 | D | *L. Sund.* | | 22 ☌ 0 | 16 ☌ 3 | | | | ☌ Nat. ♃ | 23 |
| 13 | e | Juſtinus | | | | 13 □ 33 | | 9 ☌ 28 | * Shining Harp | 24 |
| 14 | f | Tiburt. | | | | | ☉ ☌ 54 | | ☌ ☌ at | 25 |
| 15 | g | Perpet. | 15 ☌ 29 | | | | | | 2 in the morn. | 26 |
| 16 | a | Cariſius | | | | 4 △ 5 | | | | 27 |
| 17 | b | Anciet. | | 23 ✶ 44 | 18 ✶ 50 | | | | Pleiades | 28 |
| 18 | c | Valer. | | | | | 22 ✶ 36 | 17 ✶ 16 | ☌ ☽ at | 29 |
| 19 | D | 2*p. Eaſt.* | | | | | | | 4 ho. 45′ | 30 |
| 20 | e | Sulpit. | | 11 □ 46 | 7 □ 33 | | | | □ ☌ ♀ | 1 |
| 21 | f | Simeon | 1 ✶ 22 | | | 6 8 53 | 8 □ 42 | 8 □ 51 | ☌ ♀ ♀ | |
| 22 | g | Quint. | | 21 △ 19 | 17 △ 48 | | | | | |
| 23 | a | *S. GEO.* | 13 □ 58 | | | | 16 △ 12 | 21 △ 14 | □ ☌ ♀ | *May* |
| 24 | b | Albert. | | | | | | | | |
| 25 | c | *S. Mark* | 22 △ 12 | | | 21 △ 40 | | | △ ☉ ☌ | 6 |
| 26 | D | 3*p. Eaſt.* | | | | | | | * Tail of ♌ | 7 |
| 27 | e | Anaſt. | | 5 8 25 | 3 8 7 | 23 □ 45 | 22 8 20 | | ☌ ☽ at | 8 |
| 28 | f | Vitalis | | | | | | 10 8 27 | 0 ho. 15′ | 9 |
| 29 | g | *P. de Mi.* | | | | | | | * So. Ballance. | 10 |
| 30 | a | Eutrop. | 5 8 45 | | | 0 ✶ 27 | | | ☽ at 4 ho. 28′ | 11 |

| | D | ♄ | ♈ | ♃ | ♓ | ☽ | ♍ | ☉ | ♎ | ☿ | ♎ | ♀ | ♍ | Heliocent Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 0 | 19 | 23 | 24 | 26 | 45 | 22 | 5 | 21 | 10 | 8 | 32 | 1 ☽ ☉ ☿. 6 △ ♃ ♀ |
| | 6 | 0 | 29 | 23 | 51 | 29 | 23 | 26 | 58 | 29 | ♑ 1 | 23 | 6 | 7 △ ♄ ☌. 8 △ ♄ ♀ |
| | 11 | 0 | 39 | 24 | 19 | 2 | ♐ 3 | 1 | ♍ 50 | 7 | ♍ 11 | 7 | ♐ 0 | 9 ☽ ☌ ♀. 19 ✶ ☉ ♀ |
| | 16 | 0 | 49 | 24 | 46 | 4 | 43 | 6 | 41 | 15 | 11 | 20 | 41 | 19 □ ♄ ♀. 23 △ ♃ ♅ |
| | 21 | 0 | 59 | 25 | 14 | 7 | 24 | 11 | 31 | 23 | 10 | 4 | ♎ 37 | 23 ✶ ☉ ♀. 26 △ ♄ ♀ |
| | 26 | 1 | 10 | 25 | 41 | 10 | 5 | 16 | 21 | 1 | ♐ 8 | 19 | 19 | 24 □ ♃ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☿ | ☽ | ♂ | Lat. ☽ | ♄ | ♈ | ♃ | ♈ | ♂ | ♍ | ♀ | ♈ | ☿ | ♈ | ☊ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | |
| 1 | 21 10 | 2 | ♐ 11 | | 4 N 19 | 5 42 | | 4 38 | | 17 32 | | 16 17 | | 26 52 | | 1 38 | |
| 2 | 22 8 | 17 5 | | | 3 40 | 5 48 | | 4 50 | | 17 50 | | 16 32 | | 28 18 | | 1 35 | |
| ☉ | 23 5 | 1 | ♍ 28 | | 2 34 | 5 53 | | 5 2 | | 18 8 | | 16 50 | | 29 45 | | 1 32 | |
| 4 | 24 3 | 15 27 | | | 1 23 | 5 59 | | 5 14 | | 18 10 | | 17 10 | | 1 | ♉ 14 | 1 29 | |
| 5 | 25 0 | 28 58 | | | 0 14 | 6 5 | | 5 26 | | 18 41 | | 17 33 | | 2 45 | | 1 26 | |
| 6 | 25 58 | 12 | ♒ 8 | | 0 S 56 | 6 11 | | 5 37 | | 18 56 | | 17 57 | | 4 18 | | 1 22 | |
| 7 | 26 56 | 24 57 | | | 2 06 | 6 16 | | 5 49 | | 19 10 | | 18 23 | | 5 54 | | 1 19 | |
| 8 | 27 53 | 7 | ♓ 34 | | 2 58 | 6 22 | | 6 0 | | 19 23 | | 18 51 | | 7 31 | | 1 16 | |
| 9 | 28 51 | 19 44 | | | 3 52 | 6 27 | | 6 12 | | 19 35 | | 19 20 | | 9 12 | | 1 13 | |
| ☉ | 29 49 | 1 | ♈ 41 | | 4 30 | 6 32 | | 6 23 | | 19 45 | | 19 51 | | 10 54 | | 1 10 | |
| 11 | 0 ♊ 47 | 13 35 | | | 4 54 | 6 38 | | 6 35 | | 19 54 | | 20 23 | | 12 38 | | 1 7 | |
| 12 | 1 44 | 25 25 | | | 5 6 | 6 43 | | 6 46 | | 20 4 | | 20 56 | | 14 23 | | 1 3 | |
| 13 | 2 42 | 7 | ♉ 17 | | 5 2 | 6 48 | | 6 57 | | 20 13 | | 21 30 | | 16 10 | | 1 0 | |
| 14 | 3 39 | 19 10 | | | 4 47 | 6 54 | | 7 8 | | 20 22 | | 22 5 | | 18 0 | | 0 57 | |
| 15 | 4 37 | 1 | ♊ 11 | | 4 19 | 6 59 | | 7 19 | | 20 30 | | 22 41 | | 19 52 | | 0 55 | |
| 16 | 5 34 | 13 19 | | | 3 41 | 7 4 | | 7 29 | | 20 38 | | 23 19 | | 21 45 | | 0 51 | |
| ☉ | 6 31 | 25 33 | | | 2 50 | 7 9 | | 7 40 | | 20 45 | | 23 58 | | 23 41 | | 0 47 | |
| 18 | 7 29 | 7 | ♋ 55 | | 1 56 | 7 14 | | 7 50 | | 20 52 | | 24 38 | | 25 41 | | 0 44 | |
| 19 | 8 27 | 20 28 | | | 0 53 | 7 19 | | 8 1 | | 20 58 | | 25 19 | | 27 46 | | 0 41 | |
| 20 | 9 25 | 3 | ♌ 13 | | 0 N 13 | 7 24 | | 8 12 | | 20 3 | | 26 1 | | 29 54 | | 0 37 | |
| 21 | 10 22 | 16 15 | | | 1 25 | 7 29 | | 8 22 | | 21 8 | | 26 44 | | 2 | ♊ 4 | 0 34 | |
| 22 | 11 20 | 29 | ♌ 35 | | 2 31 | 7 34 | | 8 32 | | 21 12 | | 27 28 | | 4 14 | | 0 31 | |
| 23 | 12 17 | 13 | ♍ 13 | | 3 28 | 7 38 | | 8 42 | | 21 15 | | 28 13 | | 6 25 | | 0 28 | |
| ☉ | 13 14 | 27 2 | | | 4 17 | 7 42 | | 8 52 | | 21 17 | | 28 58 | | 8 36 | | 0 25 | |
| 25 | 14 11 | 11 | ♎ 58 | | 4 56 | 7 46 | | 9 1 | | 21 18 | | 29 45 | | 10 47 | | 0 22 | |
| 26 | 15 9 | 25 56 | | | 5 7 | 7 50 | | 9 11 | | 21 19 | | 0 | ♉ 33 | 12 57 | | 0 18 | |
| 27 | 16 6 | 10 | ♏ 54 | | 5 3 | 7 55 | | 9 20 | | 21 20 | | 1 21 | | 15 7 | | 0 15 | |
| 28 | 17 3 | 25 44 | | | 4 34 | 7 59 | | 9 29 | | 21 R 20 | | 2 10 | | 17 17 | | 0 12 | |
| 29 | 18 0 | 10 | ♐ 26 | | 3 51 | 8 3 | | 9 39 | | 21 20 | | 2 59 | | 19 28 | | 0 9 | |
| 30 | 18 57 | 25 0 | | | 2 52 | 8 7 | | 9 48 | | 21 19 | | 3 49 | | 21 40 | | 0 6 | |
| ☉ | 19 55 | 9 | ♍ 26 | | 1 46 | 8 11 | | 9 57 | | 21 18 | | 4 41 | | 23 52 | | 0 2 | |

| | ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 11 | 1 | 11 | 1 | 45 | 0 | 34 | 2 | 55 | 1 |
| The Latitude of the Planets | 2 | 12 | 1 | 12 | 2 | 3 | 0 S | 16 | 2 | 33 | 6 |
| | 2 | 13 | 1 | 13 | 2 | 22 | 1 | 59 | 1 | 57 | 11 |
| | 2 | 14 | 1 | 14 | 2 | 42 | 1 | 35 | 1 | 12 | 16 |
| | 2 | 15 | 1 | 15 | 3 | 3 | 2 | 3 | 0 | 19 | 21 |
| | 2 | 16 | 1 | 16 | 3 | 25 | 2 | 25 | 0 N | 34 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | b | *Ph.& Ja* | | 5 △ 4 | 4 △ 4 | | 23△ 0 | | Schedir. | 12 |
| 2 | c | Athan. | | | | | | 21△ 4 | ☿ | 13 |
| 3 | D | 4p.*Eaſt.* | | 7 □40 | 6 □12 | | | | 3° 41′ 59″ | 14 |
| 4 | e | Florian | 16△20 | | | 5 ♂18 | 3 □27 | | ♄ Nat. ♀ | 15 |
| 5 | f | Gothar. | | 13✶ 4 | 12✶ 0 | | | 7 □45 | ☽☋ * Schedir | 16 |
| 6 | g | J.P.Lat. | | | | | 11✶18 | - | ♂ ♀ at | 17 |
| 7 | a | Juvenal | 4 □ 7 | | | | | 23✶54 | 15 ho. 19′ | 18 |
| 8 | b | Staniſ. | | | | 23✶46 | | | | 19 |
| 9 | c | Ephin. | 19✶55 | | | | | | | 20 |
| 10 | D | *Ro. Sun.* | | 9 ♂ 6 | 9 ♂35 | | | | ☐♂♀ | 21 |
| 11 | e | Mamret | | | | 13□ 0 | 14♂26 | | ♂♄♃ | 22 |
| 12 | f | Pancr. | | | | | | | | 23 |
| 13 | g | Servat. | | | | | | 21♂16 | Head of *Aſgol* | 24 |
| 14 | a | *Aſc.Day* | | | | 2 △25 | | | 22° 1′ 57″ ☌ | 25 |
| 15 | b | Sophia | 7 ♂15 | 11✶34 | 12✶20 | | | | △♂♀ | 26 |
| 16 | c | Perigr. | | | | | 20✶41 | | | 27 |
| 17 | D | 6p.*Eaſt.* | | 22□40 | 23□50 | | | | ✶☉♄ | 28 |
| 18 | e | Venant. | | | | | | | Pleiades, ♂ ♀ at | 29 |
| 19 | f | Poten. | | | | 1 8 0 | 9 □42 | 17✶25 | 2 ho. 00′ | 30 |
| 20 | g | Dunſtan | 12✶18 | 7 △13 | 9 △21 | | | | ☽☌ * Girdle of | 31 |
| 21 | a | Helena | | | | | 21△43 | | Andromeda ♂ ♀ | 1 |
| 22 | b | Hoſpit. | 22□20 | | | | | 9 □ 6 | at 8 ho. 27′ | *June* |
| 23 | c | Deſid. | | | | 14△ 0 | | | ✶♄♀ | |
| 24 | D | *Wh Sun.* | | 17 8 13 | 19 8 24 | | | 21△40 | ✶♃♀ | |
| 25 | e | Urban | 4 △ 2 | | | 16□ 2 | | | | 5 |
| 26 | f | Quadr. | | | | | 8 8 27 | | ♂☉♀ * Rigel. | 6 |
| 27 | g | Beda V. | | | | 16✶50 | | *Occid.* | ♂ ♀ at | 7 |
| 28 | a | German | | 20△ 5 | 22△43 | | | | 21 ho. 56′ | 8 |
| 29 | b | K.C.*Na* | 13 8 22 | | | | | 17 8 35 | * Mid. Ori. Belt. | 9 |
| 30 | c | Wigan. | | 21□54 | | | 15△19 | | ♂ ♀ at | 10 |
| 31 | D | *Tri.Sun.* | | | 0 □57 | 19♂17 | | | 10 ho. Morning. | 11 |

| | ☽ | ♄ | ♈ | ♃ | ♓ | ♂ | ♐ | ☽ | ♍ | ♀ | ♐ | ♀ | ♒ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 20 | 26 | 9 | 12 | 52 | 21 | 10 | 9 | 6 | 5 | 22 | 3✶♀♀. ♂♂♀4 |
| Heliocentrick places of the Planets. | 6 | 1 | 30 | 26 | 36 | 15 | 39 | 25 | 58 | 17 | 4 | 22 | 55 | 7□☉♀. 7△♃☉ |
| | 11 | 1 | 40 | 27 | 4 | 18 | 26 | 0 | ♐47 | 24 | 59 | 13 | ♓ 9 | 12△♄☉. 14♂♄♀ |
| | 16 | 1 | 50 | 27 | 31 | 21 | 15 | 5 | 34 | 2 | ♑56 | 6 | ♈10 | 14♂♃♀. 15□♄♀ |
| | 21 | 2 | 0 | 27 | 59 | 24 | 4 | 10 | 22 | 10 | 52 | 4 | ♉29 | 13□♃♀. 16△☉♀ |
| | 26 | 2 | 11 | 28 | 26 | 26 | 55 | 15 | 9 | 18 | 46 | 5 | ♊30 | 24✶♃♀. 25✶♄♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | ☽ Lat. | ♄ | ♃ | ♂ | ♀ | ☿ | ☊ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 20 55 | 23 46 | 0 32 | 8 15 | 10 6 | 21 17 | 5 32 | 26 5 | 29 59 | |
| 2 | 21 49 | 7 ♒27 | 0 ♋39 | 8 18 | 10 15 | 21 15 | 6 24 | 28 15 | 29 56 | |
| 3 | 22 46 | 20 40 | 1 46 | 8 22 | 10 24 | 21 12 | 7 17 | 0♋23 | 29 53 | |
| 4 | 23 44 | 3 ♓28 | 2 49 | 8 25 | 10 32 | 21 7 | 8 10 | 2 28 | 29 50 | |
| 5 | 24 41 | 15 56 | 3 46 | 8 29 | 10 41 | 21 1 | 9 4 | 4 32 | 29 47 | |
| 6 | 25 38 | 28 7 | 4 30 | 8 32 | 10 49 | 20 54 | 9 58 | 6 35 | 29 43 | |
| ☉ | 26 35 | 10 ♈ 8 | 4 57 | 8 36 | 10 57 | 20 46 | 10 53 | 8 36 | 29 40 | |
| 8 | 27 33 | 22 25 | 5 11 | 8 39 | 11 5 | 20 38 | 11 49 | 10 35 | 29 37 | |
| 9 | 28 30 | 3 ♉54 | 5 13 | 8 43 | 11 13 | 20 29 | 12 45 | 12 32 | 29 34 | |
| 10 | 29 27 | 15 49 | 4 56 | 8 46 | 11 21 | 20 20 | 13 42 | 14 24 | 29 31 | |
| 11 | 0♋25 | 27 47 | 4 24 | 8 49 | 11 29 | 20 10 | 14 39 | 16 15 | 29 28 | |
| 12 | 1 21 | 9 ♊54 | 3 49 | 8 52 | 11 36 | 20 59 | 15 36 | 18 4 | 29 24 | |
| 13 | 2 18 | 22 12 | 3 2 | 8 55 | 11 44 | 19 49 | 16 34 | 19 51 | 29 21 | |
| ☉ | 3 15 | 4 ♋33 | 2 12 | 8 58 | 11 51 | 19 38 | 17 32 | 21 36 | 29 18 | |
| 15 | 4 12 | 17 10 | 1 39 | 9 0 | 11 58 | 19 26 | 18 31 | 23 19 | 29 15 | |
| 16 | 5 9 | 29 57 | 0 N 49 | 9 3 | 12 5 | 19 13 | 19 30 | 25 0 | 29 12 | |
| 17 | 6 7 | 13♌ 0 | 1 14 | 9 5 | 12 11 | 19 0 | 20 30 | 26 39 | 29 8 | |
| 18 | 7 4 | 26 12 | 2 20 | 9 8 | 12 18 | 18 47 | 21 29 | 28 16 | 29 5 | |
| 19 | 8 1 | 9 ♍38 | 3 22 | 9 10 | 12 24 | 18 33 | 22 29 | 29 51 | 29 2 | |
| 20 | 8 58 | 23 19 | 4 14 | 9 12 | 12 31 | 18 19 | 23 29 | 1♌24 | 28 58 | |
| ☉ | 9 55 | 7 ♎15 | 4 54 | 9 14 | 12 37 | 18 4 | 24 29 | 2 55 | 28 55 | |
| 22 | 10 52 | 21 21 | 5 10 | 9 16 | 12 43 | 17 48 | 25 30 | 4 23 | 28 52 | |
| 23 | 11 50 | 5 ♏41 | 5 10 | 9 18 | 12 48 | 17 32 | 26 31 | 5 49 | 28 49 | |
| 24 | 12 40 | 20 10 | 4 44 | 9 19 | 12 54 | 17 15 | 27 33 | 7 13 | 28 46 | |
| 25 | 13 44 | 4 ♐44 | 4 4 | 9 21 | 12 59 | 16 57 | 28 35 | 8 35 | 28 43 | |
| 26 | 14 41 | 19 14 | 3 10 | 9 23 | 13 4 | 16 39 | 29 38 | 10 55 | 28 40 | |
| 27 | 15 38 | 3 ♑37 | 2 7 | 9 24 | 13 9 | 16 20 | 0♊41 | 11 13 | 28 37 | |
| ☉ | 16 35 | 17 46 | 0 58 | 9 26 | 13 14 | 16 1 | 1 44 | 12 28 | 28 33 | |
| 29 | 17 32 | 1 ♒45 | 0 S 17 | 9 27 | 13 19 | 15 41 | 2 47 | 13 41 | 28 30 | |
| 30 | 18 30 | 15 22 | 1 27 | 9 28 | 13 24 | 15 20 | 3 50 | 14 51 | 28 27 | |

## The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | S | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 18 | 1 | 17 | 3 | 48 | 2 | 45 | 1 | 34 | 1 |
| 2 | 19 | 1 | 18 | 4 | 11 | 2 | 55 | 1 | 47 | 6 |
| 2 | 21 | 1 | 20 | 4 | 32 | 3 | 1 | 1 | 54 | 11 |
| 2 | 22 | 1 | 21 | 4 | 53 | 3 | 4 | 1 | 44 | 16 |
| 2 | 24 | 1 | 22 | 5 | 12 | 3 | 4 | 1 | 20 | 21 |
| 2 | 25 | 1 | 24 | 5 | 28 | 3 | 0 | 0 | 40 | 26 |

## The Lunar Aspects.

| Jun. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orient. | ♀ Orien. | ☿ Occid. | Planets Mutual Aspects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | e | Pamph. | | | | | 22□ 0 | | ☽☌♅ | 12 |
| 2 | f | Marcel. | | 1 ✶33 | 5 ✶11 | | | | Rigel | 13 |
| 3 | g | Erasm. | 4 △15 | | | 1 ✶ 2 | | 21△55 | 12° 41′ 59″ ♊ | 14 |
| 4 | a | Petroc. | | | | | 9 ✶38 | | ♃ Nat. ♄ | 15 |
| 5 | b | Bonif. | 17□ 0 | | | | | | * Scheat ☌ ☽, at | 16 |
| 6 | c | Artem. | | 20☌57 | | | | 19□58 | 18 ho. 45′ | 17 |
| 7 | D | 1 p. Tri. | | | 1 ☌36 | 21□13 | | | □♄ ☿ | 18 |
| 8 | e | Medar. | 11✶ 7 | | | | | | □♃ ☿ | 19 |
| 9 | f | Barnim. | | | | | 19☌22 | 20✶40 | ✶☿ ☿ | 20 |
| 10 | g | Getul. | | | | 10△54 | | | * Head of *Algol.* | 21 |
| 11 | a | S. Barn. | | 21✶56 | | | | | ☌ ☽, at | 22 |
| 12 | b | Basilisk. | | | 3 ✶22 | | | | 12 ho. 32′ | 23 |
| 13 | c | Cyrillus | 21☌17 | | | | | | 8☌♇ | 24 |
| 14 | D | 2 p. Tri. | | 8 □20 | 14□ 0 | | | | | 25 |
| 15 | e | Vit. &c. | | | | 4 8 82 | ✶45 | 13☌17 | | 26 |
| 16 | f | Rowl. | | 16△44 | 22△24 | | | | △♂♀ ☽☊ | 27 |
| 17 | g | Botolp. | | | | | 18□41 | | | 28 |
| 18 | a | Ma. &c. | 19✶20 | | | | | | * Head of *Algol* | 29 |
| 19 | b | Gervase | | | | 15△22 | | | ☌♀, at 14 ho. 00′ | 30 |
| 20 | c | Regina | | | | | o △18 | 15✶36 | □♄☉ | |
| 21 | D | 2 p. Tri. | 4 □43 | 3 8 25 | 9 8 10 | 18□10 | | | | 1 |
| 22 | e | Alban | | | | | | | Pleiades ☌♀, at | July. |
| 23 | f | Basilius | 10△54 | | | 19✶ 3 | | o □16 | 4 ho. 16′ | |
| 24 | g | S. J. Ba. | | | | | 13 8 4 | | □♃☉ | |
| 25 | a | Amand. | | 7 △50 | 13△45 | | | 1 △20 | △♄♀ | 5 |
| 26 | b | Jerem. | | | | | | | | 6 |
| 27 | c | Se. Dor. | 21 8 55 | 9 □54 | 16□13 | 21☌ 7 | | | | 7 |
| 28 | D | 4 p. Tri. | | | | | | | 8☉☌ | 8 |
| 29 | e | S. P&Pa | | 13✶25 | 20✶26 | Occid! | 1 △58 | 22 8 58 | △♃♀ ☽☊ | 9 |
| 30 | f | Lucina. | | | | | | | | 10 |
| | | | | | | | | | | 11 |

| | D | ♄ | ♈ | ♃ | ♓ | ☌ | ♒ | ☉ | ♊ | ♀ | ♒ | ☿ | ♋ | Heliocent. Aspects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 2 | 22 | 28 | 58 | o | 22 | 20 | 55 | 28 | 16 | 13 | 26 | 2✶♃♀. 3△♄☿ |
| | 6 | 2 | 32 | 29 | 25 | 3 | 19 | 25 | 38 | 6♒ | 12 | 12♌ | 9 | 4□♄♀. 5 8♀☿ |
| | 11 | 2 | 42 | 29 | 53 | 6 | 18 | o♋ | 24 | 14 | 6 | 6♍ | 51 | 6□♄☌. 9△☉☿ |
| | 16 | 2 | 53 | o | 20 | 9 | 16 | 5 | 9 | 22 | 1 | 27 | 54 | 11△♃☉. 13□♄☉ |
| | 21 | 3 | 3 | o | 48 | 12 | 15 | 9 | 55 | 29 | 58 | 16♎ | 11 | 17 8 ♄☿. 23✶♄♀ |
| | 26 | 3 | 13 | 1 | 15 | 15 | 14 | 14 | 41 | 7 | 53 | 2♍ | 31 | 23✶☉♀. 17 8☌☉ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☌ | ☽ | ♒ | Lat. ☽ | ♄ | ♈ | ♃ | ♈ | ♂ | ♍ | ♀ | ♊ | ☿ | ♌ | ♑ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 27 | 28 | 41 | 2 S | 33 | 9 | 29 | 13 | 29 | 14 | 58 | 4 | 53 | 15 | 58 | 28 | 24 |
| 2 | 20 | 24 | 11 | ♓32 | 3 | 31 | 9 | 30 | 13 | 33 | 14 | 38 | 5 | 57 | 17 | 3 | 28 | 21 |
| 3 | 21 | 21 | 24 | 34 | 4 | 19 | 9 | 31 | 13 | 37 | 14 | 19 | 7 | 1 | 18 | 5 | 28 | 18 |
| 4 | 22 | 19 | 6 | ♈15 | 4 | 50 | 9 | 31 | 13 | 41 | 14 | 1 | 8 | 5 | 19 | 4 | 28 | 15 |
| ☉ | 23 | 16 | 18 | 16 | 5 | 11 | 9 | 32 | 13 | 44 | 13 | 44 | 9 | 9 | 20 | 0 | 28 | 11 |
| 6 | 24 | 13 | 0 | ♉ 9 | 5 | 16 | 9 | 33 | 13 | 48 | 13 | 29 | 0 | 13 | 20 | 53 | 28 | 8 |
| 7 | 25 | 10 | 12 | 1 | 5 | 3 | 9 | 33 | 13 | 51 | 13 | 15 | 11 | 18 | 21 | 42 | 28 | 5 |
| 8 | 26 | 7 | 23 | 55 | 4 | 40 | 9 | 34 | 13 | 54 | 13 | 2 | 12 | 23 | 22 | 27 | 28 | 2 |
| 9 | 27 | 4 | 5 | ♊54 | 4 | 4 | 9 | 34 | 13 | 57 | 12 | 49 | 13 | 28 | 23 | 9 | 27 | 59 |
| 10 | 28 | 2 | 18 | 3 | 3 | 16 | 9 | 34 | 14 | 0 | 12 | 37 | 14 | 33 | 23 | 48 | 27 | 56 |
| 11 | 28 | 59 | 0 | ♋26 | 2 | 20 | 9 | ℞34 | 14 | 2 | 12 | 25 | 15 | 39 | 24 | 23 | 27 | 52 |
| ☉ | 29 | 56 | 13 | 6 | 1 | 16 | 9 | 34 | 14 | 5 | 12 | 12 | 16 | 45 | 24 | 53 | 27 | 49 |
| 13 | 0 | ♌54 | 26 | 0 | 0 | 9 | 9 | 34 | 14 | 7 | 11 | 59 | 17 | 51 | 25 | 19 | 27 | 46 |
| 14 | 1 | 51 | 9 | ♌10 | 0 N | 59 | 9 | 33 | 14 | 9 | 11 | 49 | 18 | 58 | 25 | 40 | 27 | 43 |
| 15 | 2 | 48 | 22 | 36 | 2 | 6 | 9 | 33 | 14 | 11 | 11 | 45 | 20 | 4 | 25 | 58 | 27 | 40 |
| 16 | 3 | 46 | 6 | ♍15 | 3 | 9 | 9 | 32 | 14 | 12 | 11 | 23 | 21 | 11 | 26 | 12 | 27 | 36 |
| 17 | 4 | 43 | 20 | 34 | 4 | 4 | 9 | 31 | 14 | 13 | 11 | 12 | 22 | 18 | 26 | 20 | 27 | 33 |
| 18 | 5 | 41 | 4 | ♎ 0 | 4 | 45 | 9 | 31 | 14 | 14 | 11 | 1 | 23 | 25 | 26 | 22 | 27 | 30 |
| ☉ | 6 | 38 | 18 | 25 | 5 | 7 | 9 | 30 | 14 | 15 | 10 | 51 | 24 | 32 | 26 | ℞16 | 27 | 26 |
| 20 | 7 | 36 | 2 | ♏ 9 | 5 | 15 | 9 | 29 | 14 | 16 | 10 | 41 | 25 | 39 | 26 | 6 | 27 | 23 |
| 21 | 8 | 33 | 16 | 19 | 4 | 58 | 9 | 28 | 14 | 17 | 10 | 32 | 26 | 47 | 25 | 49 | 27 | 20 |
| 22 | 9 | 31 | 0 | ♐30 | 4 | 20 | 9 | 27 | 14 | 18 | 10 | 24 | 27 | 54 | 25 | 29 | 27 | 17 |
| 23 | 10 | 28 | 14 | 40 | 3 | 29 | 9 | 26 | 14 | 18 | 10 | 17 | 29 | 2 | 25 | 6 | 27 | 14 |
| 24 | 11 | 26 | 28 | 47 | 2 | 25 | 9 | 25 | 14 | 19 | 10 | 11 | 0 | ♋ 9 | 24 | 40 | 27 | 11 |
| 25 | 12 | 23 | 12 | ♑48 | 1 | 17 | 9 | 23 | 14 | ℞19 | 10 | 6 | 1 | 17 | 24 | 11 | 27 | 7 |
| ☉ | 13 | 21 | 26 | 41 | 0 | 4 | 9 | 22 | 14 | 19 | 10 | 2 | 2 | 25 | 23 | 39 | 27 | 4 |
| 27 | 14 | 18 | 10 | ♒19 | 1 S | 9 | 9 | 20 | 14 | 18 | 9 | 58 | 3 | 33 | 23 | 2 | 27 | 1 |
| 28 | 15 | 15 | 23 | 40 | 2 | 15 | 9 | 19 | 14 | 18 | 9 | 55 | 4 | 42 | 22 | 20 | 26 | 58 |
| 29 | 16 | 13 | 6 | ♓43 | 3 | 14 | 9 | 17 | 14 | 17 | 9 | 52 | 5 | 50 | 21 | 34 | 26 | 55 |
| 30 | 17 | 11 | 19 | 26 | 4 | 2 | 9 | 15 | 14 | 16 | 9 | 51 | 6 | 58 | 20 | 44 | 26 | 51 |
| 31 | 18 | 8 | 1 | ♈49 | 4 | 38 | 9 | 13 | 14 | 15 | 9 | D51 | 8 | 7 | 19 | 50 | 26 | 48 |

## The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | S | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 26 | 1 | 25 | 5 | 42 | 2 | 52 | 0 | 8 | 1 |
| 2 | 28 | 1 | 26 | 5 | 51 | 2 | 43 | 1 | 5 | 6 |
| 2 | 29 | 1 | 28 | 5 | 55 | 2 | 30 | 2 | 8 | 11 |
| 2 | 30 | 1 | 29 | 5 | 55 | 2 | 16 | 3 | 18 | 16 |
| 2 | 32 | 1 | 31 | 5 | 52 | 2 | 0 | 4 | 8 | 21 |
| 2 | 33 | 1 | 32 | 5 | 46 | 1 | 45 | 4 | 40 | 26 |

## The Lunar Aſpects.

| Ju. A. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Fr. Sir. | | | | | 12 □ 36 | | * Aldebaran. | 12 |
| 2 | a | Viſ. Ma. | 18 △ 23 | | | 5 * 47 | | | ♂ ♀, at | 13 |
| 3 | b | Cornel. | | | | | | | 16 ho. 50′ | 14 |
| 4 | c | Ulricus | | 6 ♂ 32 | 14 ♂ 54 | 15 □ 11 | 4 * 0 | | | 15 |
| 5 | D | 5 p. Tri | 15 □ 59 | | | | | 3 △ 50 | * ♄ ♀. □ ♃ ♂ | 16 |
| 6 | e | Tranqu. | | | | | | | * Cir. Andromed. | 17 |
| 7 | f | Becket | | | | 2 △ 26 | | 0 □ 45 | ☽ at | 18 |
| 8 | g | Grimb. | 4 * 47 | | | | | | 8′ paſt 4 morn. | 19 |
| 9 | a | Cyriac. | | 7 * 16 | 15 * 58 | | 16 ♂ 22 | | * ♃ ♀ | 20 |
| 10 | b | 7 Frat. | | | | | | 11 * 40 | Mid * Ori. Belt. | 21 |
| 11 | c | Bened. | | 16 □ 13 | | 22 8 15 | | | 19° 19′ 5″ ♊ | 22 |
| 12 | d | 6 p. Tri. | | | 1 □ 52 | | | | ♃ Nat. ♄ | 23 |
| 13 | e | Henric. | 9 ♂ 36 | | | | | | ☉ Eclipſed, inviſib. | 24 |
| 14 | f | Bonav. | | 0 △ 44 | 8 △ 57 | | 19 * 7 | | Sirius | 25 |
| 15 | g | Swith. | | | | | | 6 ♂ 4 | 20° 0′ 5″ ♋ | 26 |
| 16 | a | Kenelm | | | | 8 △ 4[illegible] | | | ♃ Nat. ♂ | 27 |
| 17 | b | Hilar. | | | | | 4 □ 13 | | * Shining Harp | 28 |
| 18 | c | Alexius | 3 * 13 | 9 8 25 | 17 8 34 | 11 □ 50 | | | ♂ ☽, at | 29 |
| 19 | D | 7 p. Tri. | | | | | 12 △ 0 | 13 * 51 | Noon | 30 |
| 20 | e | Margar. | 10 □ 5 | | | 14 * 16 | | | | 31 |
| 21 | f | Prax. | | | | | | 15 □ 44 | | 1 |
| 22 | g | M. Mag. | 16 △ 22 | 15 △ 10 | 23 △ 16 | | | | △ ♄ ☉ * Head of | |
| 23 | a | Apoll. | | | | | | 17 △ 17 | *Hercules* ♂ ☽ | August |
| 24 | b | Chriſti. | | 18 □ 14 | | 19 ♂ 40 | 2 8 24 | | 19 ho. 26′ | |
| 25 | c | S. James | | | 2 □ 36 | | | | | 5 |
| 26 | D | 8 p. Tri. | | 22 * 5 | | | | | | 6 |
| 27 | e | Marth. | 7 8 44 | | 7 * 6 | | | 21 8 25 | △ ♃ ☉ | 7 |
| 28 | f | Panthal | | | | | 22 △ 14 | | | 8 |
| 29 | g | Fæl. &c. | | | | 5 * 57 | | | Proycon | 9 |
| 30 | a | Abdon | | | | | | | 21° 43′ 5″ ♋ | 10 |
| 31 | b | Germ. | | 14 ♂ 34 | | | 13 □ 43 | | ♂ Nat. ♀ | 11 |

| | D | ♄ | ♈ | ♃ | ♈ | ♂ | ♍ | ☉ | ♍ | ♀ | ♓ | ☿ | ♏ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 3 | 24 | 1 | 44 | 18 | 12 | 19 | 27 | 15 | 49 | 17 | 28 | 1 * ♂ ♀. 2 * ☉ ♀ |
| Heliocentrick places of the Planets. | 6 | 3 | 34 | 2 | 11 | 21 | 15 | 24 | 13 | 23 | 47 | 1 ♐ | 24 | 4 * ♂ ♀. 6 * ☉ ♀ |
| | 11 | 3 | 44 | 2 | 39 | 24 | 18 | 28 | 59 | 1 | ♈ 44 | 15 | 16 | 7 △ ♄ ♀. 12 ♂ ♄ ♀ |
| | 16 | 3 | 55 | 3 | 6 | 27 | 23 | 3 | ♒ 46 | 9 | 42 | 29 | 4 | 16 □ ♄ ☉. 18 □ ♄ ♀ |
| | 21 | 4 | 5 | 3 | 34 | 0 | ♒ 28 | 28 | 33 | 17 | 42 | 13 | ♍ 23 | 23 □ ♀ ☿. 27 * ♄ ♂ |
| | 26 | 4 | 16 | 4 | 1 | 3 | 34 | 13 | 21 | 25 | 41 | 28 | 46 | 28 * ♄ ☿ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☿ | ☽ | ☌ | Lat. | ☽ | ♄ | ♈ | ♃ | ♈ | ♂ | ♍ | ♀ | ♋ | ☿ | ♎ | ♑ | ♏ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 6 | 13 | 58 | 5 S | 0 | 9 | 11 | 14 | 13 | 9 | 51 | 9 | 15 | 18 | 53 | 26 | 45 |
| ☉ 2 | 20 | 3 | 25 | 55 | 5 | 13 | 9 | 9 | 14 | 11 | 9 | 55 | 10 | 24 | 18 | 4 | 26 | 42 |
| 3 | 21 | 1 | 7 | ♉43 | 5 | 6 | 9 | 7 | 14 | 9 | 9 | 58 | 11 | 33 | 17 | 18 | 26 | 39 |
| 4 | 21 | 59 | 19 | 30 | 4 | 51 | 9 | 4 | 14 | 6 | 10 | 2 | 12 | 43 | 16 | 36 | 26 | 36 |
| 5 | 22 | 56 | 1 | ♊20 | 4 | 19 | 9 | 1 | 14 | 3 | 10 | 7 | 13 | 52 | 15 | 59 | 26 | 32 |
| 6 | 23 | 54 | 13 | 23 | 3 | 33 | 8 | 59 | 14 | 0 | 10 | 13 | 15 | 1 | 15 | 27 | 26 | 29 |
| 7 | 24 | 52 | 25 | 38 | 2 | 4c | 8 | 56 | 13 | 57 | 10 | 19 | 16 | 11 | 15 | 0 | 26 | 26 |
| 8 | 25 | 50 | 8 | ♋ 6 | 1 | 34 | 8 | 53 | 13 | 54 | 10 | 26 | 17 | 21 | 14 | 40 | 26 | 23 |
| ☉ | 26 | 48 | 20 | 55 | 0 | 26 | 8 | 50 | 13 | 51 | 10 | 33 | 18 | 30 | 14 | 24 | 26 | 20 |
| 10 | 27 | 46 | 4 | ♌ 7 | 0 N | 41 | 8 | 47 | 13 | 48 | 10 | 41 | 19 | 40 | 14 | 13 | 26 | 16 |
| 11 | 28 | 44 | 17 | 40 | 1 | 50 | 8 | 44 | 13 | 44 | 10 | 50 | 20 | 50 | 14 D | 8 | 26 | 13 |
| 12 | 29 | 42 | 1 | ♍34 | 2 | 53 | 8 | 41 | 13 | 40 | 10 | 59 | 22 | 0 | 14 | 16 | 26 | 10 |
| 13 | 0 | ♍40 | 15 | 42 | 3 | 49 | 8 | 38 | 13 | 36 | 11 | 9 | 23 | 10 | 14 | 29 | 26 | 7 |
| 14 | 1 | 38 | 0 | ♎ 14 | | 34 | 8 | 35 | 13 | 32 | 11 | 20 | 24 | 21 | 14 | 50 | 26 | 4 |
| 15 | 2 | 36 | 14 | 27 | 5 | 2 | 8 | 32 | 13 | 27 | 11 | 32 | 25 | 31 | 15 | 19 | 26 | 1 |
| ☉ | 3 | 34 | 28 | 49 | 5 | 10 | 8 | 29 | 13 | 23 | 11 | 44 | 26 | 41 | 15 | 56 | 25 | 58 |
| 17 | 4 | 32 | 13 | ♏ 74 | | 59 | 8 | 25 | 13 | 19 | 11 | 57 | 27 | 52 | 16 | 42 | 25 | 54 |
| 18 | 5 | 30 | 27 | 17 | 4 | 30 | 8 | 22 | 13 | 14 | 12 | 12 | 29 | 3 | 17 | 34 | 25 | 51 |
| 19 | 6 | 28 | 11 | ♐ 18 | 3 | 41 | 8 | 19 | 13 | 10 | 12 | 28 | 0 | ♎13 | 18 | 33 | 25 | 48 |
| 20 | 7 | 26 | 25 | 9 | 2 | 45 | 8 | 15 | 13 | 5 | 12 | 24 | 1 | 24 | 19 | 40 | 25 | 45 |
| 21 | 8 | 24 | 8 | ♑52 | 1 | 37 | 8 | 12 | 13 | 0 | 13 | 2 | 2 | 34 | 20 | 55 | 25 | 41 |
| 22 | 9 | 22 | 22 | 25 | 0 | 18 | 8 | 8 | 12 | 55 | 13 | 19 | 3 | 45 | 22 | 15 | 25 | 38 |
| ☉ | 10 | 20 | 5 | ♒50 | 0 S | 53 | 8 | 4 | 12 | 49 | 13 | 37 | 4 | 56 | 23 | 39 | 25 | 35 |
| 24 | 11 | 18 | 19 | 7 | 1 | 59 | 8 | 0 | 12 | 44 | 13 | 56 | 6 | 7 | 25 | 8 | 25 | 31 |
| 25 | 12 | 17 | 2 | ♓13 | 3 | 0 | 7 | 56 | 12 | 38 | 14 | 15 | 7 | 18 | 26 | 43 | 25 | 28 |
| 26 | 13 | 15 | 15 | 7 | 3 | 49 | 7 | 52 | 12 | 32 | 14 | 35 | 8 | 29 | 28 | 23 | 25 | 25 |
| 27 | 14 | 13 | 27 | 43 | 4 | 26 | 7 | 48 | 12 | 26 | 14 | 55 | 9 | 41 | 0 | ♍ 7 | 25 | 22 |
| 28 | 15 | 12 | 10 | ♈ 74 | | 53 | 7 | 44 | 12 | 19 | 15 | 16 | 10 | 53 | 1 | 53 | 25 | 19 |
| 29 | 16 | 10 | 22 | 16 | 5 | 8 | 7 | 39 | 12 | 13 | 15 | 37 | 12 | 5 | 3 | 41 | 25 | 16 |
| ☉ | 17 | 9 | 4 | ♉17 | 5 | 8 | 7 | 33 | 12 | 6 | 15 | 58 | 13 | 1( | 5 | 29 | 25 | 13 |
| 31 | 18 | 7 | 16 | 8 | 4 | 50 | 7 | 31 | 12 | 0 | 16 | 20 | 14 | 2& | 7 | 18 | 25 | 10 |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | S | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 35 | 1 | 34 | 5 | 36 | 1 | 25 | 4 | 31 | 1 |
| 2 | 36 | 1 | 35 | 5 | 25 | 1 | 7 | 3 | 34 | 6 |
| 2 | 37 | 1 | 37 | 5 | 13 | 0 | 49 | 2 | 11 | 11 |
| 2 | 38 | 1 | 38 | 5 | 1 | 0 | 32 | 0 | 43 | 16 |
| 2 | ♑39 | 1 | 39 | 4 | 47 | 0 | 14 | 0 N | 9 | 21 |
| 2 | 40 | 1 | 40 | 4 | 34 | 0 N | 21 | | 20 | 26 |

AU-

## The Lunar Aſpects.

| Ja.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | Ho.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | c | Lamm. | 11 △13 | | 0 ☌ 50 | | | 9 △43 | ☐ ♄ ♀ ☽ ☌ ♂ ♀ | 12 |
| 2 | D | 9. p Tri. | | | | | | | * Schedir | 13 |
| 3 | e | Ariſtar. | | | | 4 △20 | 8 ✶40 | 18 ☐30 | ☌ ☽, at | 14 |
| 4 | f | Domin. | 5 ☐30 | | | | | | 14 ho. 46′ | 15 |
| 5 | g | Feſt.Ni. | | 15 ✶17 | | | | | ☐ ♃ ♀ | 16 |
| 6 | a | Sixtus | 22 ✶18 | | 1 ✶14 | | | 3 ✶54 | Mid. * Ori. Belt. | 17 |
| 7 | b | Cyriac. | | | | | | | ☌ ☽, at | 18 |
| 8 | c | Roman. | | 1 ☐32 | 10 ☐54 | 4 ☽20 | 19 ☌ 2 | | 11 ho. 42′ | 19 |
| 9 | D | 10 p.Tr. | | | | | | | * Pollux | 20 |
| 10 | e | Laurent | | 8 △27 | 16 △ 8 | | | 18 ☌ 0 | ☌ ♀, at | 21 |
| 11 | f | Tiburt. | 20 ☌ 32 | | | | | | 13 ho. 43′ | 22 |
| 12 | g | Clare V. | | | | 16 △ 3 | | | | 23 |
| 13 | a | Hippol. | | | | | 13 ✶50 | | Shining Harp | 24 |
| 14 | b | Euſeb. | | 14 8 9 | 22 8 23 | 19 ☐34 | | | ☌ ☌ at | 25 |
| 15 | c | Aſ.V.M. | | | | | 20 ☐ 7 | 1 ✶40 | 2 ho. 11′ | 26 |
| 16 | D | 11 p.Tr. | 8 ✶33 | | | 22 ✶ 0 | | | | 27 |
| 17 | e | Agapit. | | | | | | 6 ☐33 | * So. Ballance | 28 |
| 18 | f | Helena | 15 ☐ 6 | 19 △ 2 | | | 3 △35 | | ☌ ☽ at | 29 |
| 19 | g | Mag.Ma | | | 3 △13 | | | 13 △40 | 18′ paſt 9 morn. | 30 |
| 20 | a | Bernar. | 23 △ 0 | 22 ☐40 | | | | | | 31 |
| 21 | b | Privat. | | | 7 ☐37 | 7 ☌ 34 | | | ☐ ♃ ☌ | 1 |
| 22 | c | Symph. | | | | | 22 8 12 | | * Heart of *Hydra* | |
| 23 | D | 12 p.Tr. | | 4 ✶ 2 | 12 ✶34 | | | | ☌ ♀, at | Sept. |
| 24 | e | S. Bart. | | | | | | 12 8 31 | 17 ho. 10′ | |
| 25 | f | Ludov. | 20 8 9 | | | 23 ✶ 0 | | | △ ♄ ♀ | 5 |
| 26 | g | Severin | | | | | | | | 6 |
| 27 | a | Ruf. &c. | | 19 ☌ 24 | | | | | | 7 |
| 28 | b | Auguſt. | | | 4 ☌ 18 | 10 ☐28 | 1 △32 | | △ ♄ ☉ | 8 |
| 29 | c | De. J.B. | | | | | | | △ ♃ ♀ | 9 |
| 30 | D | 13 p.Tr. | | | | | 19 ☐56 | 2 △53 | | 10 |
| 31 | e | Paulinus | 4 △24 | | | 0 △23 | | | | 11 |

| | D | ♄ | ♈ | ♃ | ♈ | ♂ | ♒ | ☉ | ♒ | ♀ | ♉ | ☿ | ♒ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 4 | 27 | 4 | 33 | 7 | 17 | 19 | 6 | 5 | 18 | 19 | ♒ 26 | 1 ☌ ☉ ♀. 3 ☐ ☌ ♀ |
| Heliocentrick places of the Planets. | 6 | 4 | 37 | 5 | 0 | 10 | 26 | 23 | 54 | 13 | 19 | 8 | ♓ 59 | 7 ✶ ♀ ☿. 12 ☌ ♄ ☿ |
| | 11 | 4 | 47 | 5 | 28 | 13 | 34 | 28 | 44 | 21 | 21 | 1 | ♈ 54 | 12 ☌ ♃ ☿. 13 ✶ ☉ ♂ |
| | 16 | 4 | 58 | 5 | 55 | 16 | 43 | 3 | ♓ 34 | 29 | 24 | 28 | 50 | 14 ✶ ☌ ♀. 18 ✶ ♃ ☉ |
| | 21 | 5 | 8 | 6 | 23 | 19 | 52 | 8 | 24 | 7 | ♊ 28 | 29 | ♉ 19 | 20 ✶ ♃ ♀. 23 ☐ ☉ ♀ |
| | 26 | 5 | 19 | 6 | 50 | 23 | 1 | 13 | 15 | 15 | 32 | 1 | ♋ 12 | 23 ✶ ♄ ♀ |

## The Diurnal Motions of the Planets.

| Days. | ☉ | ☽ | ☽ | Lat. | ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ☿ | ☊ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 6 | 27 59 | 4 24 | | 7 26 | 11 53 | 16 43 | 15 39 | 9 6 | 25 6 | | | |
| 2 | 20 5 | 9♊50 | 3 47 | | 7 22 | 11 46 | 17 6 | 16 51 | 10 57 | 25 3 | | | |
| 3 | 21 3 | 21 44 | 2 54 | | 7 17 | 11 40 | 17 29 | 18 3 | 12 48 | 25 0 | | | |
| 4 | 22 2 | 3♋48 | 1 53 | | 7 13 | 11 33 | 17 53 | 19 15 | 14 40 | 24 57 | | | |
| 5 | 23 1 | 16 14 | 0 45 | | 7 8 | 11 26 | 18 18 | 20 27 | 16 32 | 24 54 | | | |
| ☉ | 23 59 | 28 57 | 0 N | 22 | 7 4 | 11 19 | 18 43 | 21 39 | 18 24 | 24 51 | | | |
| 7 | 24 58 | 12♌11 | 1 30 | | 6 59 | 11 12 | 19 9 | 22 51 | 20 14 | 24 47 | | | |
| 8 | 25 56 | 25 51 | 2 35 | | 6 55 | 11 4 | 19 35 | 24 4 | 22 4 | 24 44 | | | |
| 9 | 26 55 | 9♍58 | 3 35 | | 6 50 | 10 57 | 20 2 | 25 16 | 23 54 | 24 41 | | | |
| 10 | 27 54 | 24 29 | 4 20 | | 6 45 | 10 49 | 20 29 | 26 28 | 25 44 | 24 38 | | | |
| 11 | 28 53 | 9♎17 | 4 50 | | 6 40 | 10 43 | 20 57 | 27 41 | 27 33 | 24 35 | | | |
| 12 | 29 52 | 24 3 | 5 4 | | 6 35 | 10 33 | 21 25 | 28 53 | 29 21 | 24 32 | | | |
| ☉ | 0 ♎51 | 8♏56 | 4 58 | | 6 30 | 10 25 | 21 53 | 0♍6 | 1♎8 | 24 29 | | | |
| 14 | 1 50 | 23 35 | 4 30 | | 6 25 | 10 17 | 22 21 | 1 19 | 2 54 | 24 25 | | | |
| 15 | 2 49 | 7♐59 | 3 45 | | 6 21 | 10 9 | 22 50 | 2 32 | 4 39 | 24 22 | | | |
| 16 | 3 48 | 22 52 | 2 48 | | 6 16 | 10 1 | 23 20 | 3 45 | 6 24 | 24 19 | | | |
| 17 | 4 47 | 5♑51 | 1 40 | | 6 11 | 9 53 | 23 49 | 4 58 | 8 10 | 24 16 | | | |
| 18 | 5 47 | 19 23 | 0 26 | | 6 6 | 9 45 | 24 19 | 6 11 | 9 54 | 24 13 | | | |
| 19 | 6 46 | 2♒40 | 0 S | 44 | 6 2 | 9 37 | 24 49 | 7 25 | 11 41 | 24 10 | | | |
| ☾ | 7 45 | 15 45 | 1 54 | | 5 57 | 9 29 | 25 20 | 8 38 | 13 21 | 24 7 | | | |
| 21 | ♉8 44 | 28 40 | 2 58 | | 5 53 | 9 21 | 25 51 | 9 51 | 14 58 | 24 3 | | | |
| 22 | 9 43 | 11♓21 | 3 43 | | 5 48 | 9 13 | 26 22 | 11 5 | 16 35 | 24 0 | | | |
| 23 | 10 43 | 23 54 | 4 22 | | 5 44 | 9 5 | 26 53 | 12 18 | 18 11 | 23 57 | | | |
| 24 | 11 42 | 6♈18 | 4 46 | | 5 39 | 8 57 | 27 25 | 13 31 | 19 48 | 23 54 | | | |
| 25 | 12 41 | 18 33 | 5 0 | | 5 35 | 8 49 | 27 57 | 14 45 | 21 35 | 23 50 | | | |
| 26 | 13 41 | 0♉38 | 5 13 | | 5 30 | 8 40 | 28 29 | 15 58 | 23 12 | 23 47 | | | |
| ☉ | 14 40 | 12 36 | 4 59 | | 5 26 | 8 32 | 29 2 | 17 12 | 24 48 | 23 44 | | | |
| 28 | 15 39 | 24 28 | 4 47 | | 5 22 | 8 24 | 29 35 | 18 25 | 26 24 | 23 41 | | | |
| 29 | 16 38 | 6♊18 | 3 59 | | 5 17 | 8 16 | 0♒9 | 19 39 | 28 0 | 23 38 | | | |
| 30 | 17 38 | 18 9 | 3 2 | | 5 13 | 8 8 | 0 43 | 20 52 | 29 34 | 23 35 | | | |

## The Latitude of the Planets

| ☿ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 41 | 1 | 41 | 4 | 15 | 0 | 21 | 1 | 45 | 1 |
| 2 | 41 | 1 | 41 | 4 | 2 | 0 | 36 | 1 | 44 | 6 |
| 2 | 42 | 1 | 42 | 3 | 49 | 0 | 50 | 1 | 28 | 11 |
| 2 | 42 | 1 | 42 | 3 | 35 | 1 | 1 | 1 | 4 | 16 |
| 2 | 42 | 1 | 43 | 3 | 20 | 1 | 11 | 0 | 35 | 21 |
| 2 | 42 | 1 | 43 | 3 | 7 | 1 | 19 | 0 | 1 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Occid | Planets Mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Ægid. | | 19 ✶ ☉ | | | | | * Aldebaran | 12 |
| 2 | g | Anth. | 22 □ 30 | | 3 ✶ 52 | | 15 ✶ 44 | 2 □ 30 | ☌ ☽, at | 13 |
| 3 | a | Mamr. | | | | | | | 15 ho. 30′ | 14 |
| 4 | b | Theod. | | 6 □ 8 | 14 □ 58 | | | | | 15 |
| 5 | c | Moſes | 13 ✶ 46 | | | 3 8 58 | | ☉ ✶ 40 | | 16 |
| 6 | D | 14 p. Tr. | | 14 △ 39 | 22 △ 6 | | | | △ ☌ ♀. ☽ ☊ | 17 |
| 7 | e | Regina | | | | | 20 ☌ 33 | | | 18 |
| 8 | f | Na. V. M | | | | | | | | 19 |
| 9 | g | Gorgon | | | | 17 △ 12 | | | * Cor Leonis. | 20 |
| 10 | a | Hilar. P. | 6 ☌ 21 | 18 8 10 | | | | 2 ☌ 24 | ☌ ♀, at | 21 |
| 11 | b | Fælix | | | 2 8 17 | 19 □ 40 | | | 9 ho. 20′ | 22 |
| 12 | c | Guido | | | | | 8 ✶ 30 | | ☌ ☉ ♀ | 23 |
| 13 | D | 15 p. Tr. | | | | 20 ✶ 12 | | Orien | * So. Ballance. | 24 |
| 14 | e | E. Cru. | 14 ✶ 45 | 21 △ 18 | | | 14 □ 4 | 17 ✶ 40 | ☌ ☽, at | 25 |
| 15 | f | Nicom. | | | 3 △ 40 | | | | 3 ho. 20′ | 26 |
| 16 | g | Edith | 22 □ 8 | | | | 22 △ 17 | | 8 ♄ ♀ | 27 |
| 17 | a | Lamp. | | ☉ □ 37 | 7 □ 5 | | | 4 □ 42 | | 28 |
| 18 | b | Ferolus | | | | ♀ ☌ 15 | | | 8 ♄ ☉. 8 ♃ ♀ | 29 |
| 19 | c | Januar. | 8 △ 8 | ☿ ✶ 8 | 12 ✶ 36 | | | 18 △ 59 | | 30 |
| 20 | D | 16 p. Tr. | | Occid | | | | | | 1 |
| 21 | e | S. Mat. | | | | | 23 8 28 | | 8 ♃ ☉. ☽ ♋ | |
| 22 | f | Maur. | | | Occid. | | | | * Heart of Hydra | |
| 23 | g | Tecl. V. | | 22 ☌ 42 | | 6 ✶ 4 | | | 23° 10′ 14″ ♌ | |
| 24 | a | Rupert. | 11 8 28 | | 5 ☌ 10 | | | | ♄ Nat. ♀ | |
| 25 | b | Cleoph. | | | | 19 □ 34 | | 6 8 57 | * Phroycon | 6 |
| 26 | c | Cyprian | | | | | | | ♋ | 7 |
| 27 | D | 17 p. Tr. | | | | | 10 △ 19 | | 21° 43′ 14″ | 8 |
| 28 | e | Wenc. | | 21 ✶ 56 | | 10 △ 54 | | | ☌ Nat. ♀ | 9 |
| 29 | f | S. Mich. | 22 △ 49 | | 3 ✶ 56 | | | | | 10 |
| 30 | g | Hieron. | | | | | 6 □ 2 | | | 11 |

| | D | ♄ | ♈ | ♃ | ♈ | ♂ | ♒ | ☉ | ♓ | ♀ | ♊ | ☿ | ♌ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets, | 1 | 5 | 30 | 7 | 23 | 26 | 50 | 19 | 6 | 25 | 14 | 6 | 54 | 1 △ ☌ ♀. 1 △ ♃ ♀ |
| | 6 | 5 | 40 | 7 | 50 | 0 | 1 | 23 | 59 | 3 | 20 | 21 | 22 | 4 8 ☌ ♀. 6 ✶ ♀ ☿ |
| | 11 | 5 | 51 | 8 | 18 | 3 | 11 | 28 | 53 | 11 | 25 | 24 | 3 | 8 □ ♄ ♀. 9 □ ♃ ♀ |
| | 16 | 6 | 1 | 8 | 45 | 6 | 21 | 3 | 48 | 19 | 32 | 12 | 49 | 13 8 ☉ ♀. 14 8 ♃ ♀ |
| | 21 | 6 | 12 | 9 | 13 | 9 | 31 | 8 | 44 | 27 | 38 | 29 | 28 | 18 ☌ ♄ ☾. 20 □ ♀ ☿ |
| | 26 | 6 | 22 | 9 | 40 | 12 | 40 | 13 | 41 | 5 | 44 | 14 | 40 | 22 ☌ ♃ ☾. 26 △ ♄ ♀ |

OCTO-

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | ☊ | Lat. ☽ | ♄ | ♅ | ♆ | ♂ | ♃ | ♀ | ☿ | ♌ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° , | ° , | , | ° , | ° , | ° , | ° , | ° , | ° , | ° , | ° , | ° , | , |
| 1 | 18 37 | 0♋ 4 | 1 | 1 S 59 | 5 9 | 8 0 | 1 17 | 22 6 | 1 7 | 23 32 | | | |
| 2 | 19 37 | 12 9 | 0 | 57 | 5 47 | 53 | 1 51 | 23 20 | 2 39 | 23 29 | | | |
| 3 | 20 37 | 24 27 | 0 | N 55 | 5 07 | 45 | 2 25 | 24 34 | 4 12 | 23 26 | | | |
| 4 | 21 36 | 7♌ 6 | 1 | 12 | 4 55 | 38 | 3 0 | 25 48 | 5 44 | 23 23 | | | |
| 5 | 22 36 | 20 8 | 2 | 16 | 4 51 | 30 | 3 35 | 27 2 | 7 15 | 23 19 | | | |
| 6 | 23 36 | 3♍21 | 3 | 17 | 4 47 | 23 | 4 10 | 28 16 | 8 45 | 23 16 | | | |
| 7 | 24 36 | 17 44 | 4 | 8 | 4 42 | 16 | 4 45 | 29 30 | 10 15 | 23 13 | | | |
| 8 | 25 35 | 2♎19 | 4 | 43 | 4 38 | 9 | 5 21 | 0♎44 | 11 44 | 23 9 | | | |
| 9 | 26 35 | 19 5 | 5 | 0 | 4 33 | 2 | 5 57 | 1 59 | 13 12 | 23 6 | | | |
| 10 | 27 35 | 2♏21 | 4 | 56 | 4 29 | 55 | 6 33 | 3 13 | 14 40 | 23 3 | | | |
| ☉ | 28 35 | 17 37 | 4 | 38 | 4 25 | 48 | 7 9 | 4 27 | 16 7 | 23 0 | | | |
| 12 | 29 35 | 2♐42 | 3 | 54 | 4 21 | 42 | 7 45 | 5 42 | 17 34 | 22 57 | | | |
| 13 | 0♏35 | 17 31 | 2 | 58 | 4 17 | 35 | 8 21 | 6 56 | 19 0 | 22 54 | | | |
| 14 | 1 35 | 1♑57 | 1 | 50 | 4 13 | 29 | 8 58 | 8 11 | 20 25 | 22 51 | | | |
| 15 | 2 35 | 15 58 | 0 | 36 | 4 9 | 22 | 9 35 | 9 25 | 21 49 | 22 47 | | | |
| 16 | 3 35 | 29 38 | 0 S | 36 | 4 5 | 16 | 10 12 | 10 40 | 23 12 | 22 44 | | | |
| 17 | 4 35 | 12♒56 | 1 | 49 | 4 1 | 9 | 10 49 | 11 54 | 24 35 | 22 41 | | | |
| ☉ | 5 35 | 25 50 | 2 | 51 | 3 58 | 3 | 11 25 | 13 9 | 25 56 | 22 38 | | | |
| 19 | 6 35 | 8♓31 | 3 | 44 | 3 54 | 57 | 12 3 | 14 24 | 27 17 | 22 35 | | | |
| 20 | 7 35 | 20 58 | 4 | 22 | 3 50 | 51 | 12 41 | 15 38 | 28 37 | 22 32 | | | |
| 21 | 8 36 | 3♈16 | 4 | 48 | 3 47 | 45 | 13 19 | 16 53 | 29 56 | 22 28 | | | |
| 22 | 9 36 | 15 24 | 5 | 23 | 3 43 | 40 | 13 56 | 18 8 | 1♐13 | 22 25 | | | |
| 23 | 10 36 | 27 27 | 5 | 13 | 3 40 | 35 | 14 33 | 19 22 | 2 28 | 22 22 | | | |
| 24 | 11 36 | 9♉26 | 4 | 46 | 3 37 | 30 | 15 11 | 20 37 | 3 41 | 22 19 | | | |
| ☉ | 12 37 | 21 18 | 4 | 24 | 3 34 | 26 | 15 49 | 21 52 | 4 51 | 22 16 | | | |
| 26 | 13 37 | 3♊ 7 | 3 | 50 | 3 31 | 22 | 16 27 | 23 6 | 5 59 | 22 12 | | | |
| 27 | 14 37 | 14 53 | 3 | 33 | 3 28 | 18 | 17 5 | 24 21 | 7 6 | 22 9 | | | |
| 28 | 15 37 | 26 41 | 2 | 10 | 3 25 | 14 | 17 44 | 25 36 | 8 11 | 22 6 | | | |
| 29 | 16 38 | 8♋33 | 1 | 9 | 3 22 | 10 | 18 23 | 26 50 | 9 13 | 22 3 | | | |
| 30 | 17 38 | 20 36 | 0 | 7 | 3 20 | 6 | 19 3 | 28 5 | 10 12 | 22 59 | | | |
| 31 | 18 39 | 2♌53 | 0 N | 57 | 3 17 | 2 | 19 42 | 29 20 | 11 7 | 21 56 | | | |

### The Latitude of the Planets

| ♄ | S | ♅ | S | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 42 | 1 | 42 | 2 | 57 | 1 | 26 | 0 | 33 | 1 |
| 2 | 42 | 1 | 42 | 2 | 44 | 1 | 30 | 1 | 6 | 6 |
| 2 | 41 | 1 | 41 | 2 | 32 | 1 | 33 | 1 | 27 | 11 |
| 2 | 41 | 1 | 40 | 2 | 20 | 1 | 34 | 2 | 7 | 16 |
| 2 | 40 | 1 | 39 | 2 | 9 | 1 | 35 | 2 | 26 | 21 |
| 2 | 39 | 1 | 38 | 1 | 58 | 1 | 32 | 2 | 36 | 26 |

## The Lunar Aſpects.

| Jul. A | W. D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Orient. | ☿ Orient. | Planets mutual Aſpects. | R. ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Remig. | | 10 □ 10 | 15 □ 55 | | | 2 △ 21 | □ ♂ ♀ | 12 |
| 2 | b | Leod. | 15 □ 52 | | | | | | | 13 |
| 3 | c | Maxim | | 20 △ 8 | | 15 8 51 | 0 ✶ 13 | 23 □ 14 | ☾ ☊ | 14 |
| 4 | D | 18 p. Tr. | | | 1 △ 4 | | | | | 15 |
| 5 | e | Conſt. | 2 ✶ 54 | | | | | | * Cor ♌ ♂ ☽, at | 16 |
| 6 | f | Fides | | | | | | 10 ✶ 5 | 8 ho. 24′ | 17 |
| 7 | g | Mar. &c | | | | | 21 ♂ 19 | | ✶ ♄ ♂ | 18 |
| 8 | a | Pelagia. | | 3 8 45 | 9 8 22 | 5 △ 8 | | | | 19 |
| 9 | b | Dionyſ. | 15 ♂ 53 | | | | | | | 20 |
| 10 | c | Burch. | | | | 6 □ 54 | | 21 ♂ 41 | ✶ ♃ ♂ · | 21 |
| 11 | D | 19 p. Tr | | | | | | | 8 ♄ ♀ | 22 |
| 12 | e | Colman | | 2 △ 43 | 6 △ 26 | 8 ✶ 33 | 5 ✶ 18 | | | 23 |
| 13 | f | Edward | 23 ✶ 18 | | | | | | 8 ☿ ♀ | 24 |
| 14 | g | Calixt. | | 3 □ 53 | 7 □ 40 | | 11 □ 40 | | | 25 |
| 15 | a | Hedw. | | | | | | 11 ✶ 26 | △ ♂ ♀ | 26 |
| 16 | b | Gallus | 7 □ 42 | 8 ✶ 4 | 12 ✶ 20 | 19 ♂ 58 | 21 △ 56 | | | 27 |
| 17 | c | Florent | | | | | | | | 28 |
| 18 | D | S. Luke | 19 △ 58 | | | | | 0 □ 12 | ☽ ☊ | 29 |
| 19 | e | Ptole. | | | | | | | * Arcturus | 30 |
| 20 | f | Auſtre. | | | | | | 16 △ 42 | 20° 4′ 19″ ♎ | 31 |
| 21 | g | Cordul. | | 1 ♂ 2 | 4 ♂ 58 | 20 ✶ 58 | | | ♃ Nat. ♂ | 1 Sept. |
| 22 | a | 40 M. V. | | | | | 4 8 56 | | | |
| 23 | b | Roman | | | | | | | * Ariſta. ♂ ♀, at | |
| 24 | c | Ma. &c. | 5 8 0 | | | 12 □ 40 | | | △ ♄ ♀ 16 ho. 43′ | |
| 25 | D | 21 p. Tr. | | | | | | 6 8 27 | △ ♃ ☿ * Aldebar | 5 |
| 26 | e | Amand. | | 0 ✶ 48 | 4 ✶ 31 | | | | ♂ ☽, at | 6 |
| 27 | f | Urſula | | | | 4 △ 40 | 21 △ 31 | | 5 ho. 10′ | 7 |
| 28 | g | S. Si. & J. | | 13 □ 38 | 17 □ 11 | | | | | 8 |
| 29 | a | Narciſ. | 17 △ 30 | | | | | | * cirius | 9 |
| 30 | b | Theon. | | | | | 16 □ 17 | | ☽ ☊ ! ♂ ☽, at | 10 |
| 31 | c | Wolfg. | | 0 △ 16 | 4 △ 55 | | | 16 △ 57 | 3 ho. 00′ | 11 |

Heliocentrick places of the Planets.

| D | ♄ | ♈ | ♃ | ♈ | ♂ | ♓ | ☉ | ♈ | ☿ | ♌ | ♀ | ♍ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 33 | 10 | 8 | 15 | 50 | 18 | 37 | 13 | 51 | 28 | 53 | 4 △ ♄ ♀ · 5 △ ♃ ♀ |
| 6 | 6 | 43 | 10 | 35 | 18 | 58 | 23 | 36 | 21 | 56 | 12 ♐ | 38 | 9 □ ♂ ♀ · 8 △ ☉ ♀ |
| 11 | 6 | 53 | 11 | 3 | 22 | 7 | 28 | 35 | 0 ♍ | 2 | 26 | 22 | 13 ☉ ♀ △, 15 △ ♀ ♀ |
| 16 | 7 | 4 | 11 | 30 | 25 | 14 | 3 ♉ | 35 | 8 | | 10 ♑ | 35 | 16 □ ♃ ♀ · 23 ✶ ♂ ♀ |
| 21 | 7 | 14 | 11 | 58 | 28 | 22 | 8 | 36 | 16 | 14 | 25 | 52 | 24 ✶ ♄ ♀ · 26 □ ☉ ♀ |
| 26 | 7 | 25 | 12 | 27 | 1 ♈ | 30 | 13 | 37 | 24 | 20 | 12 ♒ | 16 | 26 ✶ ♃ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ ♏ | ☽ ♌ | Lat. ☽ | ♄ ♈ | ♃ ♈ | ♂ ♒ | ♀ ♏ | ☿ ♐ | ☊ ♋ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| ☉ | 19 39 | 15 27 | 2 N 8 | 3 14 | 4 58 | 20 22 | 0 34 | 12 0 | 21 53 |
| 2 | 20 40 | 28 28 | 3 10 | 3 12 | 4 54 | 21 1 | 1 49 | 12 49 | 21 50 |
| 3 | 21 40 | 12♍ 1 | 4 0 | 3 9 | 4 51 | 21 40 | 3 4 | 13 34 | 21 47 |
| 4 | 22 41 | 25 59 | 4 40 | 3 7 | 4 47 | 22 19 | 4 19 | 14 11 | 21 44 |
| 5 | 23 42 | 10♎ 27 | 5 2 | 3 5 | 4 44 | 22 50 | 5 34 | 14 40 | 21 40 |
| 6 | 24 42 | 25 20 | 5 7 | 3 3 | 4 41 | 23 39 | 6 49 | 15 0 | 21 37 |
| 7 | 25 43 | 10♏ 31 | 4 47 | 3 1 | 4 38 | 24 19 | 8 4 | 15 10 | 21 34 |
| ☉ | 26 44 | 25 51 | 4 7 | 2 59 | 4 35 | 24 59 | 9 20 | 15 12 | 21 31 |
| 9 | 27 44 | 11♐ 9 | 3 16 | 2 57 | 4 33 | 25 39 | 10 35 | 15 Rx 5 | 21 28 |
| 10 | 28 45 | 26 14 | 2 11 | 2 55 | 4 31 | 26 19 | 11 50 | 14 54 | 21 25 |
| 11 | 29 45 | 10♑ 56 | 0 59 | 2 54 | 4 29 | 26 59 | 13 5 | 14 39 | 21 22 |
| 12 | 0♐ 46 | 25 12 | 0 S 18 | 2 52 | 4 27 | 27 39 | 14 20 | 14 1 | 21 18 |
| 13 | 1 47 | 9♒ 0 | 1 33 | 2 51 | 4 26 | 28 20 | 15 36 | 13 14 | 21 15 |
| 14 | 2 48 | 22 23 | 2 42 | 2 49 | 4 26 | 29 0 | 16 51 | 12 19 | 21 12 |
| ☉ | 3 49 | 5♓ 19 | 3 41 | 2 48 | 4 25 | 29 40 | 18 7 | 11 14 | 21 9 |
| 16 | 4 50 | 17 54 | 4 22 | 2 47 | 4 25 | 0♓ 21 | 19 22 | 10 0 | 21 6 |
| 17 | 5 51 | 0♈ 15 | 4 51 | 2 46 | 4 25 | 1 1 | 20 38 | 8 40 | 21 3 |
| 18 | 6 52 | 12 24 | 5 8 | 2 46 | 4 24 | 1 41 | 21 53 | 7 16 | 21 0 |
| 19 | 7 53 | 24 25 | 5 8 | 2 45 | 4 24 | 2 22 | 23 9 | 5 52 | 20 56 |
| 20 | 8 54 | 6♉ 20 | 4 52 | 2 44 | 4 D 24 | 3 2 | 24 24 | 4 32 | 20 53 |
| 21 | 9 55 | 18 11 | 4 31 | 2 44 | 4 24 | 3 43 | 25 40 | 3 18 | 20 50 |
| ☉ | 10 56 | 0♊ 3 | 3 53 | 2 43 | 4 24 | 4 24 | 26 55 | 2 9 | 20 47 |
| 23 | 11 57 | 11 56 | 3 7 | 2 43 | 4 25 | 5 5 | 28 11 | 1 10 | 20 43 |
| 24 | 12 58 | 23 54 | 2 15 | 2 43 | 4 25 | 5 46 | 29 26 | 0 22 | 20 40 |
| 25 | 13 59 | 5♋ 56 | 1 16 | 2 D 43 | 4 26 | 6 28 | 0♐ 42 | 29♏ 46 | 20 37 |
| 26 | 15 0 | 18 4 | 0 13 | 2 43 | 4 27 | 7 8 | 1 57 | 29 20 | 20 34 |
| 27 | 16 1 | 0♌ 22 | 0 N 51 | 2 43 | 4 29 | 7 49 | 3 13 | 29 8 | 20 31 |
| 28 | 17 2 | 12 53 | 1 54 | 2 44 | 4 31 | 8 30 | 4 28 | 29 5 | 20 27 |
| ☉ | 18 3 | 25 38 | 2 54 | 2 44 | 4 34 | 9 12 | 5 44 | 29 D. 14 | 20 24 |
| 30 | 19 4 | 8♍ 30 | 3 46 | 2 45 | 4 37 | 9 53 | 6 59 | 29 28 | 20 21 |

## The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 38 | 1 | 37 | 1 | 48 | 1 | 27 | 2 | 33 | 1 |
| 2 | 37 | 1 | 35 | 1 | 39 | 1 | 22 | 2 | 6 | 6 |
| 2 | 36 | 1 | 34 | 1 | 29 | 1 | 15 | 1 | 7 | 11 |
| 2 | 35 | 1 | 32 | 1 | 20 | 1 | 6 | 0 | N 26 | 16 |
| 2 | 34 | 1 | 31 | 1 | 11 | 0 | 55 | 1 | 58 | 21 |
| 2 | 33 | 1 | 29 | 1 | 2 | 0 | 45 | 2 | 43 | 26 |

NO-

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♅ Occid | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | 22 p.Tr. | 8 □22 | | | 9 832 | | | * Cor ♌ ☌ ☽ at | 12 |
| 2 | e | Om.An | | | | | 6 *33 | | 19 ho. 00′ | 13 |
| 3 | f | Winifr. | 17*56 | | | | | 2 □49 | □☉☌ | 14 |
| 4 | g | Aman. | | 11 850 | 14 834 | | | | | 15 |
| 5 | a | Lætus | | | | 19△26 | | 6 *58 | * Virg. Spic. | 16 |
| 6 | b | Leon. | | | | | 19☌47 | | ☌ ☽, at | 17 |
| 7 | c | Floren. | | | | 22□35 | | | 14 ho. 57′ | 18 |
| 8 | D | 23 p.Tr. | 1 ☌36 | 11△ 9 | 13△34 | | | | | 19 |
| 9 | e | Theod. | | | | | | 6 ☌16 | * So. Ballance. | 20 |
| 10 | f | Mart.P. | | 10□54 | 13□29 | 0 * 8 | | | ☌ ♀, at | 21 |
| 11 | g | Mart B. | | | | | 3 *58 | | 7 ho. 22′ | 22 |
| 12 | a | Ludov. | 10*26 | 13*19 | 16* 6 | | | | | 23 |
| 13 | b | Aſcan. | | | | | 13□ 4 | 7 *34 | | 24 |
| 14 | c | Freder. | 20□57 | | | 12☌58 | | | △♄☉ | 25 |
| 15 | D | 24 p.Tr. | | | | | | 11□ 5 | △♅☉ | 26 |
| 16 | e | Othm. | | | | | 3 △14 | | | 27 |
| 17 | f | Anianus | 12△ 1 | 4 ☌59 | 8 ☌13 | | | 16△ 4 | Lucida Coronæ | 28 |
| 18 | g | Oct.Ma. | | | | | | | 8° 3′ 20″ ♏ | 29 |
| 19 | a | Elizab. | | | | 16*57 | | | ♀ Nat. ♀ | 30 |
| 20 | b | Eugen. | | | | | | | △♅☽ □☌☿ | 1 |
| 21 | c | Ob.V.M | | | | | 16 855 | | △♄♀ | Decemb. |
| 22 | D | 25 p.Tr. | 23 858 | 5 *23 | 8 *47 | 9 □18 | | 3 838 | * Aldebaran | 6 |
| 23 | e | Clem. | | | | | | | ☌ ☽, at | 7 |
| 24 | f | Chriſog | | 17□35 | 21□ 0 | | | | 11 ho. 20′ | 8 |
| 25 | g | Cathar. | | | | 1 △ 6 | | | | 9 |
| 26 | a | Conrad | | | | | | 22△ 4 | △♄♀ | 6 |
| 27 | b | Gunth. | | 4 △31 | 7 △54 | | 6 △ 3 | | | 7 |
| 28 | c | Ruffus | 8 △30 | | | | | | △♅♀ | 8 |
| 29 | d | Ad. Sun. | | | | | 20□52 | 6 □47 | * Cor ♌ ☌ ☽ at | 9 |
| 30 | e | St. And. | 18□45 | | | 2 837 | | | 12′ poſt Noon | 10 |

| | D | ♄ | ♈ | ♅ | ♈ | ♂ | ♈ | ☉ | ♉ | ♐ | ♎ | ♀ | ♓ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 17 | 36 | 12 | 58 | 5 | 10 | 19 | 39 | 3 | 58 | 4 | 58 | | 4 8 ♄♀. 6 ☌ ♄ ☌ |
| | 67 | 46 | 13 | 25 | 8 | 13 | 24 | 42 | 12 | - | 1 | 27 | 10 | 7 8 ♅♀. 8 ☌ ☌ ☿ |
| | 117 | 56 | 13 | 53 | 11 | 17 | 29 | 45 | 20 | - | 3 | 23 | ♈18 | 8 ☌ ♅♀. 8 ☌ ♄ ☿. |
| | 168 | 7 | 14 | 20 | 14 | 19 | 4 | ♍50 | 28 | - | 4 | 23 | ♉13 | 16 ☌ ♃ ☌. 18 * ♄ ♀ |
| | 218 | 17 | 14 | 48 | 17 | 21 | 9 | 55 | 6 | ♏ | 5 | 25 | ♊ 3 | 19 * ♄ ☉. 24 □ ♄ ♀ |
| | 268 | 27 | 15 | 15 | 20 | 20 | 15 | 0 | 14 | - | 5 | 25 | ♋44 | 24 □ ☌ ♀. 26 * ☉ ♅ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ♍ | ♎ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 20 5 | 22 44 ♑ | N 2 1 | 2 46 | 4 40 | 10 34 | 8 1 | 9 46 | 20 18 | |
| 2 | 21 6 | 5 50 ♒ | 5 2 | 2 47 | 4 43 | 11 15 | 9 30 | 0 ♐ 16 | 20 15 | |
| 3 | 22 8 | 19 58 ♒ | 5 13 | 2 48 | 4 47 | 11 55 | 10 46 | 0 52 | 20 12 | |
| 4 | 23 9 | 4 ♓ 30 | 4 58 | 2 49 | 4 50 | 12 37 | 12 1 | 1 36 | 20 9 | |
| 5 | 24 10 | 19 22 ♓ | 4 27 | 2 50 | 4 54 | 13 18 | 13 17 | 2 30 | 20 5 | |
| ☉ | 25 12 | 4 ♈ 14 | 3 38 | 2 51 | 4 58 | 14 0 | 14 32 | 3 32 | 20 2 | |
| 7 | 26 13 | 19 19 ♈ | 2 34 | 2 53 | 5 2 | 14 42 | 15 48 | 4 35 | 19 59 | |
| 8 | 27 14 | 4 ♉ 15 | 1 22 | 2 54 | 5 6 | 15 23 | 17 3 | 5 39 | 19 56 | |
| 9 | 28 15 | 19 3 ♉ | 0 4 | 2 56 | 5 10 | 16 5 | 18 19 | 6 44 | 19 53 | |
| 10 | 29 16 | 3 ♊ 30 | 1 S 11 | 2 57 | 5 14 | 16 46 | 19 34 | 7 51 | 19 50 | |
| 11 | 0 ♉ 17 | 17 28 ♊ | 2 20 | 2 58 | 5 18 | 17 28 | 20 50 | 8 59 | 19 47 | |
| 12 | 1 18 | 0 ♋ 59 | 3 25 | 3 0 | 5 23 | 18 9 | 22 6 | 10 10 | 19 43 | |
| ☉ | 2 20 | 14 1 ♋ | 4 12 | 3 2 | 5 27 | 18 51 | 23 21 | 11 24 | 19 40 | |
| 14 | 3 21 | 26 41 ♋ | 4 50 | 3 4 | 5 32 | 19 33 | 24 37 | 12 41 | 19 37 | |
| 15 | 4 22 | 9 ♌ 3 | 5 9 | 3 6 | 5 37 | 20 14 | 25 52 | 14 1 | 19 34 | |
| 16 | 5 24 | 21 11 ♌ | 5 14 | 3 9 | 5 42 | 20 56 | 27 ♉ | 15 23 | 19 30 | |
| 17 | 6 25 | 3 ♍ 8 | 5 3 | 3 11 | 5 48 | 21 37 | 28 23 | 16 45 | 19 27 | |
| 18 | 7 26 | 14 59 ♍ | 4 40 | 3 13 | 5 53 | 22 19 | 29 39 | 18 8 | 19 24 | |
| 19 | 8 27 | 26 52 ♍ | 4 4 | 3 16 | 5 59 | 23 0 | 0 ♍ 54 | 19 31 | 19 21 | |
| ☉ | 9 28 | 8 ♎ 43 | 3 18 | 3 18 | 6 5 | 23 42 | 2 10 | 20 55 | 19 18 | |
| 21 | 10 29 | 20 39 ♎ | 2 23 | 3 21 | 6 11 | 24 24 | 3 26 | 22 19 | 19 14 | |
| 22 | 11 30 | 2 ♏ 43 | 1 25 | 3 24 | 6 18 | 25 5 | 4 41 | 23 44 | 19 11 | |
| 23 | 12 31 | 14 57 ♏ | 0 22 | 3 27 | 6 24 | 25 49 | 5 57 | 25 10 | 19 8 | |
| 24 | 13 33 | 29 19 ♏ | 0 N 43 | 3 30 | 6 31 | 26 29 | 7 13 | 26 37 | 19 5 | |
| 25 | 14 34 | 9 ♐ 55 | 1 47 | 3 34 | 6 38 | 27 10 | 8 28 | 28 5 | 19 2 | |
| 26 | 15 35 | 22 36 ♐ | 2 50 | 3 37 | 6 45 | 27 52 | 9 44 | 29 33 | 18 59 | |
| ☉ | 16 36 | 5 ♑ 35 | 3 44 | 3 41 | 6 52 | 28 34 | 10 59 | 1 ♍ 0 | 18 55 | |
| 28 | 17 37 | 18 47 ♑ | 4 30 | 3 45 | 7 0 | 29 15 | 12 15 | 2 26 | 18 52 | |
| 29 | 18 38 | 2 ♒ 14 | 5 0 | 3 48 | 7 7 | 29 57 | 13 30 | 3 52 | 18 49 | |
| 30 | 19 39 | 15 55 ♒ | 5 16 | 3 52 | 7 15 | 0 ♈ 39 | 14 46 | 5 17 | 18 46 | |
| 31 | 20 40 | 29 51 ♒ | 5 6 | 3 56 | 7 22 | 1 20 | 16 16 | 6 42 | 18 43 | |

## The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 31 | 1 | 27 | 0 | 54 | 0 | 33 | 2 | 42 | 1 |
| 2 | 30 | 1 | 25 | 0 | 46 | 0 | 22 | 2 | 14 | 6 |
| 2 | 28 | 1 | 24 | 0 | 39 | 0 | 10 | 1 | 36 | 11 |
| 2 | 27 | 1 | 23 | 0 | 32 | 0 | 2 | 0 | 56 | 16 |
| 2 | 26 | 1 | 21 | 0 | 25 | 0 | 14 | 0 | 16 | 21 |
| 2 | 24 | 1 | 19 | 0 | 19 | 0 | 27 | 0 | S 21 | 26 |

DE-

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Eliguis | | 18 8 46 | 22 8 3 | | | | Head of *Hercules* | 12 |
| 2 | g | Libanus | | | | | 5 ✶50 | | ➶ | 13 |
| 3 | a | Caſſian | 3 ✶33 | | | | | | 11° 56′ 25″ | 14 |
| 4 | b | Barbara | | | | 13△45 | | | ♂ Nat. ♀ | 15 |
| 5 | c | Sabina | | 21△44 | | | | 22♂44 | △♄ . . □♂♀ | 16 |
| 6 | D | 2*Su. Ad* | | | 1 △24 | | 17♂58 | | * Head of *Hercules* | 17 |
| 7 | e | Agat. M. | 11♂53 | 21□50 | | 9 □ 6 | | | ☽, at 12 ho. 11′ | 18 |
| 8 | f | Co. B. V. | | | 1 □40 | | | | △♃♀ | 19 |
| 9 | g | Cypri. | | 23✶ 4 | | 18✶57 | | | The 8 da. at 11h. 10′ | 20 |
| 10 | a | Eulalia | | | 2 ✶50 | | | 8 ✶ 9 | Shining Harp | 21 |
| 11 | b | Damaſ. | | | | | 6 ✶35 | | ☽♉. (♂☽ | 22 |
| 12 | c | Valerius | ☌ ✶38 | | | | | 17□57 | | 23 |
| 13 | D | 3*Su. Ad.* | | | | 9 ♂51 | 19□39 | | □♄☉ Merchab. | 24 |
| 14 | e | Nicaſi. | 13□58 | 12♂24 | 17♂20 | | | | ♂☽, at | 25 |
| 15 | f | Abrah. | | | | | | 10△ 5 | 10 ho 11′ | 26 |
| 16 | g | Ananias | | | | | 13△21 | | □♃☉ | 27 |
| 17 | a | Lazarus | 7 △15 | | | | | | * Schedir | 28 |
| 18 | b | Rufus | | | | 15✶57 | | | ♂☽, at | 29 |
| 19 | c | Loch | | 12✶58 | 18✶39 | | | | 1 ho. 12′ | 30 |
| 20 | D | 4*p. Adv.* | | | | | | | | 31 |
| 21 | e | S. *Thom.* | | | | 6 □51 | | 3 8 40 | △♄♀ | 1 |
| 22 | f | 30 Mar. | 18 8 44 | 1 □22 | 7 □ 6 | | 4 8 18 | | ☽ Eclipſed viſible | *Jan.* |
| 23 | g | Victor. | | | | 22△24 | | | □♅♀ ☽♋ | |
| 24 | a | Ad. & E. | | 11△50 | 17△40 | | | | □♂♀ | |
| 25 | b | *Chriſtm.* | | | | | | | The 22 day | 5 |
| 26 | c | S. *Steph.* | | | | | | 14△34 | Schear ☌☌, at | 6 |
| 27 | D | S *John* | 19△42 | | | | 10△51 | | 6 ho. 17′ | 7 |
| 28 | e | S *Innoc.* | | | | 21 8 40 | | | | 8 |
| 29 | f | Jonat. | | 3 8 48 | 8 8 40 | | 21□44 | 3 □28 | | 9 |
| 30 | g | David | 6 □25 | | | | | | * Arcturus ☌☽ | 10 |
| 31 | a | Silveſt. | | | | | | 13✶33 | at 7 ho. 13′ | 11 |

| | ☽ | ♄ | ♈ | ♃ | ♈ | ♂ | ♈ | ☽ | ♊ | ♀ | ♌ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 8 | 3♓ | 15 | 43 | 23 | 1♈ | 20 | 5 | 22 | 4 | 22 | ♎50 | 1△♄♀. 1□♀☿ |
| | 6 | 8 | 4♓ | 16 | 10 | 26 | 1♈ | ♑5 | 12 | 0 | ➶ 2 | 15 | ♍55 | 8✶♂☉. 9□☉☿ |
| | 11 | 8 | 5♓ | 16 | 38 | 29 | 1♈ | 0♒17 | | 8 | 0 | 5 | ♎43 | 11△♄♀. 12 8 ♄☿ |
| | 16 | 9 | 9 | 17 | 5 | 2♉ | 2 | 5 | 24 | 15 | 57 | 23 | 8 | 12✶☿♀. 14 8 ♃☿ |
| | 21 | 9 | 2 | 17 | 33 | 4 | 5♈ | 10 | 29 | 23 | 54 | 8 | ♏49 | 18△♃♀. 19 8 ♂☿ |
| | 26 | 9 | 3♈ | 18 | 0 | 7 | 4♈ | 15 | 35 | 1♒ | 50 | 23 | 21 | 20□♄☉. 22✶☉☿ |

The

*The Radices of the Middle Motions of the Planets* January *the First*, 1702. *Old Stile, according to* SCIENTIA STELLARUM.

| | S. | D. | ′ | ″ |
|---|---|---|---|---|
| THE Progreſſion of the firſt ✱ of ♈ from the Vernal *Equinox*, | 0 | 29 | 1 | 39 |
| The middle Longitude of the Sun | 9 | 21 | 27 | 41 |
| The Aphelion of the Sun | 3 | 7 | 27 | 18 |
| The Anomaly of the Sun | 6 | 14 | 0 | 23 |
| The middle Longitude of the Moon | 3 | 7 | 53 | 00 |
| The Apogæon of the Moon | 0 | 19 | 40 | 00 |
| The Node Aſcend. | 4 | 7 | 59 | 00 |
| The middle Motion of *Saturn* | 0 | 3 | 53 | 00 |
| The Aphelion of *Saturn* | 8 | 28 | 8 | 00 |
| The Node Aſcend. *Saturn* | 3 | 21 | 34 | 00 |
| The middle Motion of *Jupiter* | 11 | 17 | 26 | 00 |
| The Aphelion of *Jupiter* | 6 | 10 | 3 | 00 |
| The Node Aſcend. *Jupiter* | 3 | 7 | 18 | 00 |
| The middle Motion of *Mars* | 6 | 20 | 13 | 00 |
| The Aphelion of *Mars* | 5 | 1 | 3 | 00 |
| The Node Aſcend. *Mars* | 1 | 17 | 57 | 00 |
| The middle Motion of *Venus* | 1 | 26 | 18 | 00 |
| The Aphelion of *Venus* | 10 | 1 | 29 | 00 |
| The Node Aſcend. *Venus* | 2 | 14 | 21 | 00 |
| The middle Motion of *Mercury* | 6 | 14 | 48 | 00 |
| The Aphelion of *Mercury* | 8 | 12 | 57 | 00 |
| The Node Aſcend. *Mercury* | 1 | 15 | 11 | 00 |

*End of the Ephemeris for the Year of the Chriſtian* Æra 1702.

AN

# EPHEMERIS

OF THE

# Cœleſtial Motions

AND

# ASPECTS

For the Year of the Chriſtian *ÆRA* 1703.

Calculated for the Meridian of

# *LONDON:*

Whereto are number'd from

| | | | |
|---|---|---|---|
| The | Creation of the World | 5652 | Years. |
| | General Deluge | 3996 | |
| | Building of *London* | 2810 | |
| | Death of *Alexander the Great* | 2025 | |
| | Beginning of the *Julian* Year | 1746 | |
| | Paſſion and Death of Chriſt | 1670 | |
| | Flight of *Mahomet* | 1112 | |
| | Correction of the Calendar by P. *Gregory* | 121 | |

| *Julian* | | *Gregorian* | *Julian* | | *Gregorian* |
|---|---|---|---|---|---|
| 13 | The Golden Number | 13 | *Febr.* 7 | *Shrove-Sunday* | 17 *Febr* |
| 4 | The Cycle of the Sun | 4 | *Mar.* 28 | *Eaſter Day* | 7 *Apr.* |
| C | The Dominical Letters | F | *May* 2 | *Rogation Sunday* | 12 *May.* |
| 11 | The Roman Indiction | 11 | *May* 6 | *Aſcenſion day* | 16 *May.* |
| 23 | The Epacts | 13 | *May* 16 | *Whit-Sunday* | 26 *May.* |
| 7 | Numbers of Direction | 10 | *Nov.* 28 | *Advent Sunday* | 1 *Dec.* |

By *JOHN WING*, Mathemat.

*LONDON*, Printed in the Year 1702.

*The Exact Time of the Sun's Ingreſs into the four Cardinal Signs, with the Planets Places reduc'd to that time.*

| | Longit. ☉ S. ° ′ ″ | Anom. ☉ S. ° ′ ″ | | S. ° ′ ″ |
|---|---|---|---|---|
| Epocha 1703 | 9 20 14 12 | 6 12 45 52 | ♄ | ♈ 10 54 30 |
| *March* Day 9 | 2 7 1 26 | 2 7 01 15 | ♃ | ♈ 20 40 21 |
| Hours 19 | 46 49 | 46 49 | ♂ | ♉ 18 34 27 |
| 27′ 25″ | 1 8 | 1 8 | ♀ | ♈ 12 10 15 |
| Middle Mot. ☉ | 11 28 03 35 | 8 20 35 04 | ☿ | ♈ 24 6 39 |
| Proſthaph. Add. | 1 56 25 | | ☽ | ♉ 13 3 50 |
| Sun's Place. | ♈ 00 00 00 | ☉ enters ♈ | ☊ | ♋ 15 4 44 |

*The Sun's Ingreſs into* ♋, &c.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha | 1703 | 9 | 20 | 14 | 12 | 6 | 12 | 45 | 52 | ♄ | ♈ 21 7 19 |
| *June* Day | 10 | 5 | 8 | 41 | 21 | 5 | 8 | 40 | 54 | ♃ | ♉ 11 57 57 |
| Hours | 19 | | | 46 | 49 | | | 46 | 49 | ♂ | ♋ 19 27 29 |
| 53′ | 27″ | | | 2 | 11 | | | 2 | 11 | ♀ | ♌ 5 4 50 |
| Middle Mot. ☉ | | 2 | 29 | 44 | 33 | 11 | 22 | 15 | 46 | ☿ | ♋ 24 55 11 |
| Proſthaph. Add. | | | | 15 | 27 | | | | | ☽ | ♍ 29 11 8 |
| Sun's Place. | | ♋ | 00 | 00 | 00 | ☉ enters ♋ | | | | ☊ | ♋ 10 8 31 |

*The Sun's Ingreſs into* ♎, &c.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha | 1703 | 9 | 20 | 14 | 12 | 6 | 12 | 45 | 52 | ♄ | ♈ 20 44 8 |
| *Septemb.* Day | 12 | 8 | 11 | 20 | 24 | 8 | 11 | 19 | 48 | ♃ | ♉ 20 37 52 |
| Hours | 8 | | | 19 | 43 | | | 19 | 43 | ♂ | ♍ 19 5 36 |
| 59′ | 31″ | | | 2 | 26 | | | 2 | 26 | ♀ | ♍ 14 58 58 |
| Middle Mot. ☉ | | 6 | 1 | 56 | 45 | 2 | 24 | 27 | 49 | ☿ | ♎ 13 0 31 |
| Proſthaph. Sub. | | | 1 | 56 | 45 | | | | | ☽ | ♓ 13 29 0 |
| Sun's Place. | | ♎ | 00 | 00 | 00 | ☉ enters ♎ | | | | ☊ | ♋ 5 11 52 |

*The Sun's Ingreſs into* ♑, &c.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha | 1703 | 9 | 20 | 14 | 12 | 6 | 12 | 45 | 52 | ♄ | ♈ 15 51 47 |
| *Decemb.* Day | 10 | 11 | 9 | 3 | 45 | 11 | 9 | 2 | 44 | ♃ | ♉ 11 20 7 |
| Hours | 23 | | | 56 | 40 | | | 56 | 40 | ♂ | ♍ 17 30 38 |
| 11′ | 23″ | | | | 28 | | | | 28 | ♀ | ♍ 19 31 54 |
| Middle Mot. ☉ | | 9 | 0 | 15 | 5 | 5 | 22 | 45 | 44 | ☿ | ♐ 17 0 45 |
| Proſthaph. Sub. | | | | 15 | 5 | | | | | ☽ | ♊ 21 14 12 |
| Sun's Place. | | ♑ | 00 | 00 | 00 | ☉ enters ♑ | | | | ☊ | ♋ 0 27 7 |

Of

## *Of the Eclipſes this Year* 1703.

SIX times within the Perimeter of this Year will the two Great Luminaries ſuffer Eclipſes; four times the Sun, and twice the Moon; tho' thoſe of the Sun will not be viſible here, but both thoſe of the Moon will be Total, and Viſible, if Clouds do not interpoſe.

The firſt is an inviſible Eclipſe of the Sun happening the 6th day of *January* at 11 before Noon: The Reaſon of its not being ſeen here, is plain from what follows.

| | | D | H | ′ | ″ |
|---|---|---|---|---|---|
| The middle time of the true ☌ is | *January* | 5 | 23 | 20 | 56 |
| The Place of the Luminaries | | ♒ | 26 | 45 | 51 |
| The Moon's Node ſubſtract | | 3 | 18 | 23 | 51 |
| The Argument of the Moon's Latitude | | 6 | 8 | 22 | 00 |
| The Reduction ſubſtract | | | | 1 | 51 |
| The time of Reduction add | | | | 3 | 17 |
| The true ☌, reſpecting the Ecliptick, | *Jan.* | 5 | 23 | 24 | 13 |
| The Equation of time ſubſtract | | | | 8 | 12 |
| The apparent time of the true ☌ | *January* | 5 | 23 | 16 | 01 |
| At which time the Parallax of Latitude is | | | | 55 | 53 |
| The true Latitude of the Moon South Aſcend. | | | | 43 | 35 |
| Their Sum | | | 1 | 39 | 28 |

Which Sum far exceeds the Sum of the Semidiameters of the Sun and Moon, which plainly proves the Impoſſibility of its being viſible here; but will appear eclipſed to thoſe who live in the Longitude of 24 Degrees, and about the Latitude of 36 Degrees; and to ſuch as inhabit the South *Africk*, the Iſlands of St. *Thomas*, and the more Southern parts yet unknown to us.

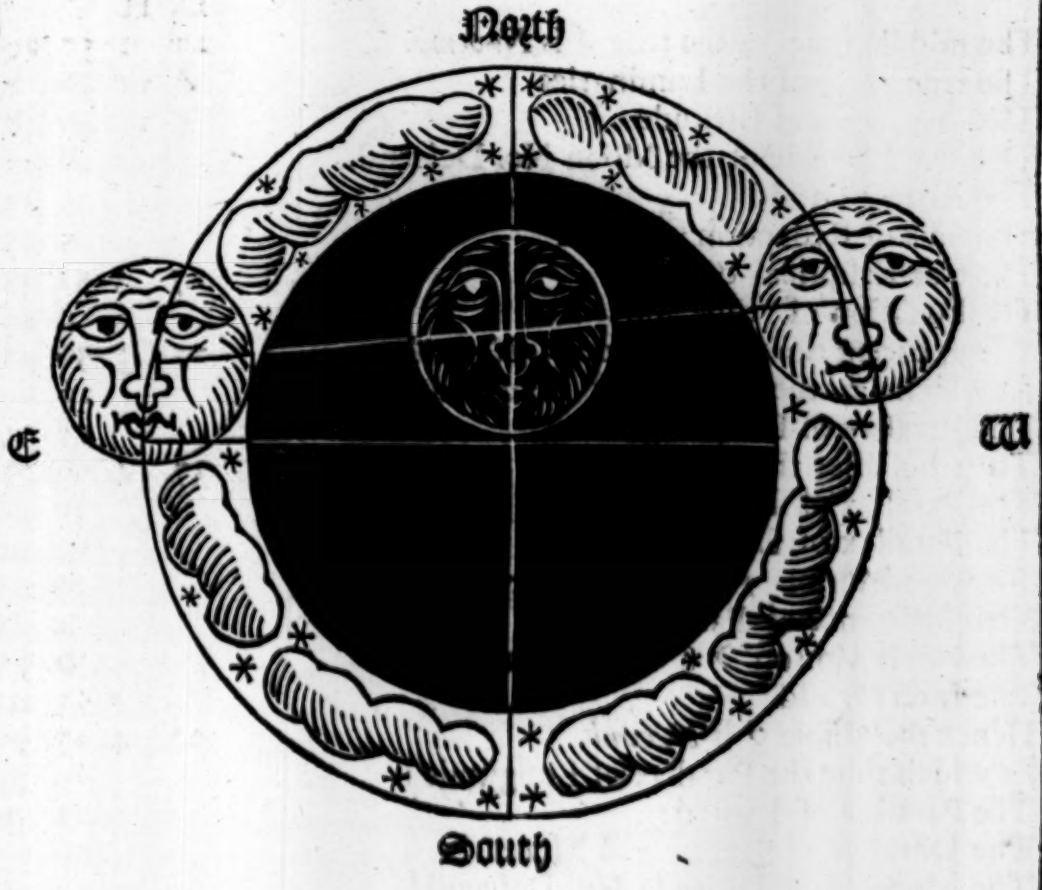
The ſecond is a Total and Viſible Eclipſe of the Moon, upon the 17 day of *June*, as by the following Calculation:

| | D. | H | ′ | ″ |
|---|---|---|---|---|
| The middle Time of the true ☉, *June* | 17 | 13 | 15 | 21 |
| The true Place of the Sun | ♋ | 6 | 24 | 12 |
| The Eccentrick Place of the Moon | ♑ | 6 | 24 | 12 |
| The Anomaly of the Sun | 11 | 28 | 53 | 24 |
| The Anomaly of the Moon | 6 | 16 | 1 | 7 |
| The Argument of the Moon's Latitude | 5 | 26 | 36 | 57 |
| The Reduction Add | | | 0 | 48 |
| The Time of Reduction Subſtract. | | | 1 | 18 |
| The true ☉ in reſpect of the Ecliptick *June* | 17 | 13 | 14 | 3 |
| The Equation of Time Subſtract | | | 2 | 18 |
| The Apparent Time of the true ☉, *June* | 17 | 13 | 11 | 45 |
| The Sum of the ☉ and ☽'s Horizontal *Parallaxis* | | | 61 | 10 |
| The Sun's Semidiameter Subſtr. | | | 16 | 00 |
| The Apparent Semidiameter of the Earth's Shad. | | | 45 | 10 |
| The Moon's Semidiameter Add | | | 16 | 37 |
| The Sum of the Semidiameters | | | 61 | 47 |
| The Moon's Latitude No. Decend. Subſtr. | | | 17 | 43 |
| The Scruples deficient | | | 44 | 4 |
| The Digits eclipſed 15° 54′ 46″ | | 15 | 54 | 46 |
| The Scruples of Incidence | | | 59 | 11 |
| The time of Incidence | | 1 | 39 | 50 |
| The total Duration | | 3 | 19 | 40 |
| The Interval Add | | | 2 | 2[illegible] |
| The Continuance of total Darkneſs | | 1 | 15 | 30 |

| | | H. | ′ | | |
|---|---|---|---|---|---|
| Hence | The Beginning of the Eclipſe is | 11 | 34 | 23 | P. M. |
| | The Beginning of total Darkneſs | 12 | 36 | 28 | |
| | The Middle or greateſt Obſcur. | 13 | 14 | 13 | |
| | The End of Total Darkneſs | 13 | 51 | 58 | |
| | The End of the Eclipſe | 14 | 54 | 3 | |

A

*A Type of this Eclipse.*




The Latitude ☽ at { The beginning is 23 07 / The End is 12 12 } No. Descending.

The Third is a Non-visible Eclipse of the Sun, *July* the 3 day, about 3 in the Morning, to be seen only in the South Parts of the Earth.

The Fourth is an Eclipse of the Sun upon the 27 day of *November*. just after Sun-set, by consequence not visible here: but because there are some Tables of repute amongst us that give the Beginning of this Eclipse before the Sun sets, I shall for the Satisfaction of those that de-

pend upon them, ſhew by the following Calculation, that the Sun is really ſet before the Eclipſe begins 5′ 7″.

| | D. | H. | ′ | ″ |
|---|---|---|---|---|
| The middle time of the true ☌ is *Novemb.* | 27 | 3 | 57 | 20 |
| The true place of the Luminaries | ♐ | 15 | 56 | 8 |
| The Argument of Latitude | 5 | 14 | 46 | 38 |
| The true Latitude of the Moon No. Deſcend. | | 1 | 18 | 41 |
| The Reduction add | | | 3 | 17 |
| The time of Reduction ſubſtract | | | 5 | 35 |
| The true Ecliptical ☌ *Nov.* | 27 | 3 | 51 | 45 |
| The Equation of time add | | | 4 | 52 |
| The apparent time of the true ☌ *Novemb.* | 27 | 3 | 56 | 37 |
| At which time the Parallax of Longitude is | | | 26 | 29 |
| The Parallax of Latitude | | | 53 | 54 |
| To 1 ho. after the true ☌, *viz.* | 27 | 4 | 56 | 37 |
| The Parallax of Longitude is | | | 30 | 48 |
| The Parallax of Latitude | | | 50 | 51 |
| The true Motion ☽ á ☉ in 1 Hour | | | 35 | 16 |
| The Difference of Parallax Sub. | | | 4 | 19 |
| The viſible Motion ☽ á ☉ in 1 Hour | | | 30 | 57 |
| The Interval add | | | 51 | 20 |
| Hence the viſible ☌ is *Novemb.* | 27 | 4 | 47 | 57 |
| At which time the Parallax of Longitude is | | | 29 | 34 |
| The Parallax of Latitude | | | 51 | 2 |
| The Diſtance of the Sun and Moon | | | 29 | 34 |
| The Moon's true Latitude No. Deſcend. | | 1 | 15 | 56 |
| The viſible Latitude of the Moon No. Deſc. | | | 24 | 54 |
| The Sum of the Sun and Moon's Semid. | | | 33 | 7 |
| The Scruples of Incidence | | | 21 | 50 |
| The time of Incidence | | | 44 | 57 |
| The time of Repletion | | | 42 | 20 |
| The Interval Subſtract | | | 4 | 23 |
| The middle or greateſt Obſcuration *Novemb.* | 27 | 4 | 43 | 34 |
| Hence the Beginning of the Eclipſe is *Novemb.* | 27 | 3 | 58 | 37 |
| Time of Sun-ſetting at *London* that Night | | 3 | 53 | 30 |
| So (as before) the Sun is ſet before the Eclipſe begins | | | 5 | 7 |

And tho' the Limitations of Refractions (as now beſt approv'd) are 30′ in the Horizon, which will cauſe the Luminaries to appear ſo much higher than really they are, yet in reſpect of the Craſſitude thereof, I conclude the Beginning will not be perceptible here at *London*, but may be ſeen in *Nova Francia*, *Eſtoiland*, and in and about the Atlantick Oçean, *&c.*

The Fifth is a Total and near Central Eclipſe of the leſſer Luminary the Moon, upon the 12*th* of *Decemb.* in the Morning.

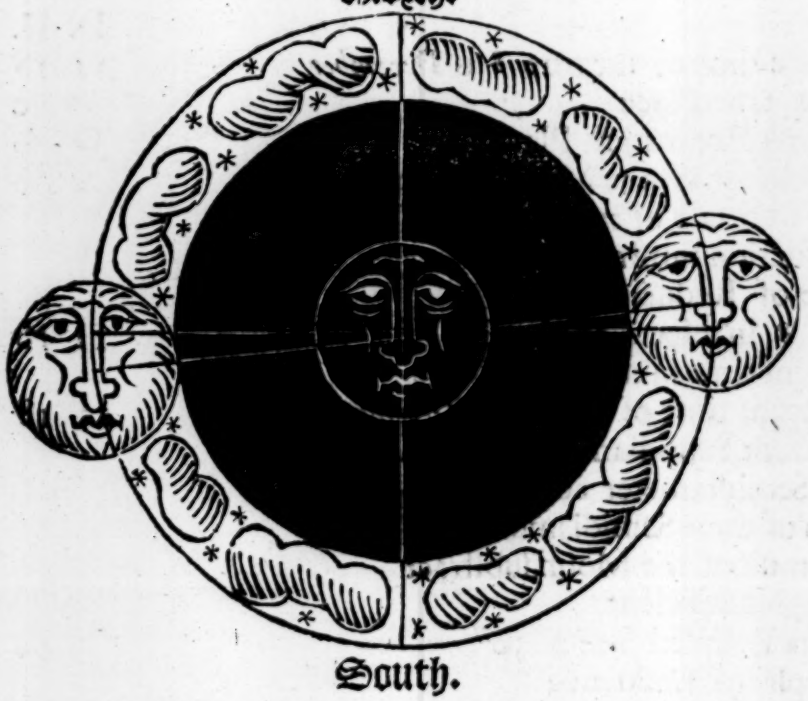
## *The Calculation.*

| | D. | H. | ′ | ″ |
|---|---|---|---|---|
| The middle time of the true ☽ is *December* | 11 | 18 | 31 | 10 |
| The Sun's true Place | ♑ | 0 | 49 | 16 |
| The Moon's Eccentrick Place | ♋ | 0 | 49 | 16 |
| The Argument of the Moon's Latitude | 0 | 0 | 24 | 43 |
| The true Latitude of the Moon No. Aſcend. | | | 2 | 9 |
| The Reduction ſubſtract | | | 0 | 6 |
| The time of Reduction add | | | 0 | 13 |
| The true ☽ in reſpect of the Ecliptick *Dec.* | 11 | 18 | 31 | 23 |
| Equation of time ſubſtract | | | 0 | 19 |
| The apparent time of the true ☽ *Decemb.* | 11 | 18 | 31 | 4 |
| The apparent Semidiamer of the Earth's Shadow | | | 37 | 2 |
| The ☽'s Semidiameter add | | | 14 | 52 |
| The Sum of their Semidiameters | | | 51 | 54 |
| The Latitude of the Moon ſubſtract | | | 2 | 9 |
| The Scruples deficient | | | 49 | 45 |
| The Digits Eclipſed 20° 4′ 50″ | | 20 | 4 | 50 |
| The Scruples of Incidence | | | 51 | 51 |
| The time of Incidence | | 1 | 54 | 31 |
| The total Duration | | 3 | 49 | 2 |
| The Interval Subſtract | | | 0 | 22 |
| The Continuance of Total Darkneſs | | 1 | 37 | 26 |

Hence

| | | H | ′ | ″ | |
|---|---|---|---|---|---|
| Hence | The beginning of the Eclipſe is at | 16 | 36 | 11 | P.M. |
| | The beginning of total Darkneſs | 17 | 41 | 59 | |
| | The middle or greateſt Obſcurat. | 18 | 30 | 42 | |
| | The true Oppoſition | 18 | 31 | 4 | |
| | The End of Total Darkneſs | 19 | 19 | 25 | |
| | The End of the Eclipſe | 20 | 25 | 13 | |

*A Type of this Eclipſe.*




The Latitude of the Moon a { the Beginning So Deſcend. / the End No. Aſcend.

And

And here it may be observed that the Moon sets before the Eclipse ends by the Space of 6′ 58″; for by the following Calculation, the

| | S. | D | ′ | ″ |
|---|---|---|---|---|
| Sun's true Place | ♍ | 0 | 50 | 10 |
| His Declinat. So. | | 23 | 29 | 28 |
| His R. A. | | 90 | 54 | 00 |
| Asc. Diff. | | 33 | 9 | 00 |
| His O. D. | | 57 | 45 | 00 |

| | S | D | ′ | ″ |
|---|---|---|---|---|
| Moon's true place | ♋ | 1 | 52 | 8 |
| Declination No. | | 23 | 29 | 28 |
| R. A. | | 92 | 2 | 00 |
| Asc. Diff. | | 33 | 9 | 00 |
| O. D. of the Moon | | 125 | 11 | 00 |

| | D H | ′ | ″ |
|---|---|---|---|
| The O. D. of the Moon | 125 | 11 | 00 |
| The Sun's O. D. Subſtract | 57 | 45 | 00 |
| The Difference, or Remainder | 67 | 26 | 00 |
| Which reduc'd into time is | 4 | 31 | 15 |
| Time of Sun ſetting, add | 3 | 47 | 00 |
| True time of ☽'s ſetting that Morn. | 8 | 18 | 15 |

Which 8 ho. 18′ 15″ taken from 8 h. 25′ 13″, the End of the Eclipſe, there remains 6′ 58″ (as I ſaid before) for the time of the Moon's ſetting before the End of the Eclipſe.

The Sixth and laſt is an Eclipſe of the Sun *December* the 27*th*, at 3 in the Morning; and becauſe it is but a ſmall Eclipſe, and not viſible here, I forbear to mention it further.

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*The Calculation of Two Conjunctions, viz. of* Saturn *and* Mars, *and of* Jupiter *and* Mars *this preſent Tear* 1703.

| ☌ ♄ ☌ | H | ′ | ″ | | ° | ′ | ″ | | ☌ ♃ ☌ | H | ′ | ″ | | ° | ′ | ″ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *January* | 1 | 55 | 00 | *M.T.* | 4 | 11 | 41 | ♈ | *January* | 23 | 19 | 00 | *M.T.* | 8 | 58 | 11 | ♈. |
| 4 Day at | 1 | 47 | 13 | *A.T.* | | | | | 10 day at | 23 | 9 | 56 | *A.T.* | | | | |

*For*

## *For the Longitude of* Saturn.

| Tempus datum. | Longit. ♄ S. ° ′ ″ | Anom. ♄ S. ° ′ ″ | Node ♄ S. ° ′ ″ | ♄ |
|---|---|---|---|---|
| Epocha 1703 | 0 16 05 00 | 3 17 55 00 | 3 21 34 00 | Node. |
| *January* 4 | 8 00 | 8 00 | 0 9 48 49 | Ecl. place. |
| 1 hour 55′ | 10 | 10 | 8 18 14 49 | Arg. Lat. |
| Mean mot. ♄ | 0 16 13 10 | 3 18 3 10 | 597241 | Logar. ♄ |
| Proſt. Sub. | 6 24 21 | | 499254 | Logar. ☉ |
| Eclipt. place | 0 09 48 49 | Tang. 902013 | 5° 58′ 45″ | Add. 45 |
| Sun's place | 9 24 50 12 | Co. tan. 990877 | 50 58 45 | Sum. |
| Anom. Com. | 9 15 1 23 | Tang. 988480 | 37 29 18 | Ano. Orb $\frac{c}{a}$ |
| Par. Orb. ſub. | 5 37 8 | Tang. 979357 | 31 52 10 | Half Diff. |
| Longit. ♄ | ♈ 4 11 41 | 5° 37′ 8″ P.Orb. | 69 21 28 | Elongat. |

## *For the Latitude of* Saturn.

| | | | |
|---|---|---|---|
| Elongation ♄ á ☉ | 69° 21′ 28″ | A. C. S. | 002882 |
| Anomaly Commutation | 74 58 37 | S. | 998490 |
| Inclination Ecliptick | 2 27 5 | ct | 1136849 |
| Latitude ♄ So. Aſcending | 2 22 10 | ct | 1138221 |

## *For the Longitude of* Mars.

| Tempus datum. | Longit. ♂ S. ° ′ ″ | Anom. ♂ S. ° ′ ″ | Node ♂ S. ° ′ ″ | ♂ |
|---|---|---|---|---|
| Epocha 1703 | 1 00 59 00 | 7 29 55 00 | 1 17 57 00 | Node. |
| *January* 4 | 2 6 00 | 2 6 00 | 1 13 00 08 | Ecl. Place. |
| 1 ho. 55′ | 2 31 | 2 31 | 11 25 3 08 | Arg. Lat. |
| Mean Mot. ♂ | 1 03 07 31 | 8 2 3 31 | 516667 | Logar. ♂ |
| Proſt. add. | 9 52 37 | | 499254 | Logar. ☉ |
| Eclipt. place | 1 13 00 8 | Tan. 982587 | 33° 48′ 30″ | Add. 45 |
| Sun's place | 9 24 50 12 | C. Tan. 929628 | 78 48 36 | Sum |
| Anom. Com. | 8 11 50 4 | Tang. 1014006 | 54 4 58 | Ano. Orb. $\frac{1}{y}$ |
| Par. Orb. Sub. | 1 8 48 27 | Tang. 943634 | 15 16 31 | Half Diff. |
| Longit. ♂ | ♈ 4 11 41 | 38° 48′ 27″ P.Or. | 69 21 29 | Elongat. |

## *For the Latitude of* Mars.

| | | | |
|---|---|---|---|
| Proportional Scruples ♂ | 0° 5′ 11″ | LL | 884337 |
| *Mars* greateſt Latit. | 1 50 19 | LL | 848640 |
| Latit. ♂ So. deſcending | 0 7 50 | LL | 732977 |

For

*For the Longitude of* ♃.

| Tempus datum. | Longit. ♃ S. ° ′ ″ | Anom. ♃ S. ° ′ ″ | Node ♃ S. ° ′ ″ | ♃ |
|---|---|---|---|---|
| Epocha 1703 | 0 17 42 00 | 6 7 37 00 | 3 7 18 00 | Node |
| *January* 10 | 50 00 | 50 00 | 0 19 28 36 | Ecl. place |
| 23 hours 19′ | 4 58 | 4 57 | 9 12 10 36 | Arg. Lat. |
| Mean mot. ♃ | 0 18 36 58 | 6 8 31 57 | 569629 | Logar. ♃ |
| Proſt. add. | 51 28 | | 499288 | Logar. ☉ |
| Eclipt. place. | 0 19 28 36 | Tang. 929659 | 11° 11′ 53″ | Add. 45 |
| Sun's Place | 10 1 50 44 | Co. tan. 982574 | 56 11 53 | Sum. |
| Anom. Com. | 9 12 22 8 | Tang. 990554 | 38 48 55 | Ano. Orb. ½ |
| Par. Orb. Sub. | 10 30 25 | Tang. 973128 | 28 18 30 | Half Differ. |
| Longit. ♃ | ♈ 8 58 11 | 10°30′25″ P.Or. | 67 7 25 | Elongat. |

*For the Latitude of* ♃.

| | | | | | |
|---|---|---|---|---|---|
| Elongation ♃ á ☉ | 67° | 7′ | 25″ | A C. | S 003558 |
| Anomaly Commutation | 77 | 27 | 52 | S | 998952 |
| Inclination Ecliptick | 1 | 20 | 6 | c. t. | 1163316 |
| Latitude ♃ So. Aſcending | 1 | 15 | 30 | c. t. | 1165826 |

*For the Longitude of* Mars.

| Tempus datum. | Longit. ♂ S ° ′ ″ | Anom. ♂ S ° ′ ″ | Node ♂ S ° ′ ″ | ♂ |
|---|---|---|---|---|
| Epocha 1703 | 1 00 59 00 | 7 29 55 00 | 1 17 57 00 | Node |
| *January* 10 | 5 14 00 | 5 14 00 | 1 16 50 21 | Ecl. place |
| 23 ho. 19′ | 30 33 | 30 33 | 11 28 53 21 | Arg. Lat. |
| Mean Mot. ♂ | 1 6 43 33 | 8 5 39 33 | 516920 | Logar. ♂ |
| Proſt. add. | 10 6 48 | | 499288 | Logar. ☉ |
| Eclipt. place | 1 16 50 21 | Tan. 982368 | 33° 40′ 36″ | Add. 45 |
| Sun's place | 10 1 50 44 | C. tan. 930156 | 78 40 36 | Sum |
| Anom. Com. | 8 15 0 23 | Tan. 1011484 | 52 29 21 | Ano. Orb. ½ |
| Par. Orb. Sub. | 1 7 52 10 | Tan. 941640 | 14 37 11 | Half Diff. |
| Longit. ♂ | ♈ 8 58 11 | 37°52′10″ P.Or. | 67 6 32 | Elongat. |

*For the Latitude of* Mars.

| | | | | | |
|---|---|---|---|---|---|
| Elongation *Mars* á ☉ | 67° | 6′ | 32″ | A C | S 003562 |
| Anom. Commut. | 75 | 0 | 23 | S | 998495 |
| Inclination Eclipt. | 0 | 2 | 10 | c. t. | 1320045 |
| Latit. *Mars* So. deſcen. | 0 | 2 | 6 | c. t. | 1322105 |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ♑ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ♑ ° ′ | ♏ ° ′ | ° ′ | ♈ ° ′ | ♈ ° ′ | ♈ ° ′ | ♑ ° ′ | ♑ ° ′ | ° ′ | ° ′ |
| 1 | 21 41 | 14 15 | 4 N 42 | 4 0 | 7 30 | 2 2 | 17 17 | 8 33 | 18 40 | |
| 2 | 22 42 | 28 35 | 3 56 | 4 4 | 7 38 | 2 44 | 18 32 | 10 5 | 18 37 | |
| ☉ | 23 43 | 13 ♐ 13 | 2 57 | 4 8 | 7 47 | 3 26 | 19 48 | 11 38 | 18 34 | |
| 4 | 24 44 | 27 57 | 1 46 | 4 12 | 7 55 | 4 8 | 21 3 | 13 11 | 18 30 | |
| 5 | 25 45 | 12 ♑ 45 | 0 30 | 4 16 | 8 3 | 4 49 | 22 19 | 14 45 | 18 27 | |
| 6 | 26 47 | 27 12 | 0 S 45 | 4 21 | 8 12 | 5 31 | 23 34 | 16 19 | 18 24 | |
| 7 | 27 48 | 11 ♒ 26 | 1 59 | 4 25 | 8 21 | 6 12 | 24 50 | 17 54 | 18 21 | |
| 8 | 28 49 | 25 25 | 3 2 | 4 29 | 8 30 | 6 54 | 26 5 | 19 29 | 18 18 | |
| 9 | 29 50 | 8 ♓ 57 | 3 56 | 4 34 | 8 39 | 7 36 | 27 21 | 21 5 | 18 15 | |
| ☉ | 0 ♒ 51 | 22 2 | 4 36 | 4 38 | 8 48 | 8 17 | 28 36 | 22 41 | 18 11 | |
| 11 | 1 52 | 4 ♈ 45 | 5 0 | 4 42 | 8 58 | 8 59 | 29 52 | 24 18 | 18 8 | |
| 12 | 2 53 | 17 7 | 5 13 | 4 47 | 9 7 | 9 41 | 1 ♒ 7 | 25 56 | 18 5 | |
| 13 | 3 54 | 29 14 | 5 10 | 4 52 | 9 17 | 10 22 | 2 23 | 27 35 | 18 2 | |
| 14 | 4 55 | 11 ♉ 11 | 4 50 | 4 57 | 9 26 | 11 4 | 3 38 | 29 14 | 17 59 | |
| 15 | 5 56 | 23 6 | 4 14 | 5 2 | 9 36 | 11 46 | 4 54 | 0 ♒ 53 | 17 56 | |
| 16 | 6 57 | 4 ♊ 58 | 3 32 | 5 7 | 9 46 | 12 28 | 6 9 | 2 33 | 17 52 | |
| ☉ | 7 58 | 16 55 | 2 39 | 5 12 | 9 56 | 13 9 | 7 25 | 4 14 | 17 49 | |
| 18 | 8 59 | 28 59 | 1 37 | 5 18 | 10 7 | 13 51 | 8 40 | 5 56 | 17 45 | |
| 19 | 10 0 | 11 ♋ 15 | 0 33 | 5 23 | 10 17 | 14 33 | 9 56 | 7 37 | 17 42 | |
| 20 | 11 1 | 23 36 | 0 N 31 | 5 28 | 10 28 | 15 14 | 11 11 | 9 22 | 17 39 | |
| 21 | 12 1 | 6 ♌ 25 | 1 37 | 5 33 | 10 39 | 15 55 | 12 27 | 11 6 | 17 36 | |
| 22 | 13 2 | 19 21 | 2 40 | 5 38 | 10 50 | 16 37 | 13 42 | 12 50 | 17 33 | |
| 23 | 14 3 | 2 ♍ 28 | 3 34 | 5 44 | 11 1 | 17 15 | 14 57 | 14 35 | 17 30 | |
| ☉ | 15 4 | 15 50 | 4 20 | 5 50 | 11 13 | 18 0 | 16 12 | 16 21 | 17 27 | |
| 25 | 16 5 | 29 22 | 4 53 | 5 56 | 11 24 | 18 41 | 17 28 | 18 8 | 17 24 | |
| 26 | 17 6 | 13 ♎ 55 | 5 9 | 6 2 | 11 35 | 19 23 | 18 43 | 19 55 | 17 20 | |
| 27 | 18 6 | 23 53 | 5 8 | 6 8 | 11 46 | 20 4 | 19 58 | 21 43 | 17 17 | |
| 28 | 19 7 | 10 ♍ 50 | 4 46 | 6 14 | 11 58 | 20 47 | 21 13 | 23 32 | 17 14 | |
| 29 | 20 8 | 24 50 | 4 c | 6 19 | 12 9 | 21 27 | 22 29 | 25 21 | 17 11 | |
| 30 | 21 9 | 8 ♐ 58 | 3 10 | 6 25 | 12 21 | 22 8 | 23 44 | 27 10 | 17 8 | |
| ☉ | 22 10 | 23 15 | 2 5 | 6 31 | 12 32 | 22 50 | 24 59 | 29 0 | 17 5 | |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | S | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 23 | 1 | 18 | 0 | 13 | 0 | 39 | 1 | 1 | 1 |
| 2 | 22 | 1 | 16 | 0 | 7 | 0 | 50 | 1 | 24 | 6 |
| 2 | 21 | 1 | 15 | 0 | 2 | 0 | 59 | 1 | 46 | 11 |
| 2 | 20 | 1 | 14 | 0 | N 2 | 1 | 7 | 1 | 58 | 16 |
| 2 | 19 | 1 | 13 | 0 | 6 | 1 | 14 | 2 | 2 | 21 |
| 2 | 18 | 1 | 12 | 0 | 11 | 1 | 19 | 1 | 56 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♅ Occid. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | No. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | *Circum.* | 13 ✶ 26 | | | | 5 ✶ 47 | | Shining Harp | 12 |
| 2 | b | Abel | | 9 △ 4 | 14 △ 58 | 7 △ 9 | | | 11° 8′ 30″ ♍ | 13 |
| 3 | c | Enoch | | | | | | | ☌ Nat. ♅ | 14 |
| 4 | d | Seth | | 10 □ 14 | 16 □ 18 | 10 □ 32 | | | ☌ ♄ ☌ | 15 |
| 5 | e | Simeon | 23 ☌ 24 | | | | 17 ☌ 22 | 3 ☌ 44 | ☉ Eclipſed invitib. | 16 |
| 6 | f | *Epiphany* | | 12 ✶ 6 | 18 ✶ 43 | 14 ✶ 40 | | | * Antares ☌ ☽, | 17 |
| 7 | g | Juliana | | | | | | | at | 18 |
| 8 | a | Erhard | | | | | | | 11 ho. 43′ | 19 |
| 9 | b | Marcel. | | | | | | | Merchab ☌ ☽, at | 20 |
| 10 | c | *1aſt. Ep.* | 18 ✶ 4 | 23 ☌ 55 | | | 13 ✶ 45 | 1 ✶ 20 | 19 ho. 7′ | 21 |
| 11 | d | Hygin. | | | 8 ☌ 17 | 8 ☌ 50 | | | ☌ ♅ ☌ | 22 |
| 12 | e | Satyrus | | | | | | 20 □ 13 | | 23 |
| 13 | f | Hilar. B. | 10 □ 25 | | | | 7 □ 4 | | | 24 |
| 14 | g | Fælix | | | | | | | ✶ ♄ ☉ | 25 |
| 15 | a | Maurit. | | | | | | 18 △ 23 | ✶ ♄ ♀ | 26 |
| 16 | b | Marcell. | 4 △ 23 | 0 ✶ 18 | 9 ✶ 37 | 15 ✶ 58 | 2 △ 40 | | | 27 |
| 17 | c | *2aſt. Ep.* | | | | | | | ✶ ♄ ♀ | 28 |
| 18 | d | Priſca | | 12 □ 27 | 22 □ 4 | | | | | 29 |
| 19 | e | Pontian | | | | 6 □ 47 | | | ✶ ♅ ☉, ✶ ♅ ♀ | 30 |
| 20 | f | Fa. & Se. | | 22 △ 16 | | | | | ✶ ♅ ☿. ☌ ☉ ♀ | 31 |
| 21 | g | Agneta | 11 8 42 | | 7 △ 57 | 18 △ 38 | 12 8 25 | 11 8 9 | | 1 |
| 22 | a | Vinc. | | | | | *Occid.* | *Occid.* | ☌ ☉ ☿ | |
| 23 | b | Emer. | | | | | | | | *Feb.* |
| 24 | c | *Septuag.* | | | | | | | ☌ ♀ ☿ | |
| 25 | d | *Co. S. P.* | | 11 8 36 | 21 8 20 | | | | ✶ ☌ ♀ | 5 |
| 26 | e | Polycar. | 7 △ 30 | | | 11 8 33 | 10 △ 50 | 13 △ 40 | | 6 |
| 27 | f | J. Chry. | | | | | | | ✶ ☌ ♀ | 7 |
| 28 | g | Car. Ma. | 15 □ 18 | | | | 19 □ 35 | | | 8 |
| 29 | a | Valerius | | 19 △ 21 | | | | 1 ♎ 0 | * Antares | 9 |
| 30 | b | K. C. ma. | 22 ✶ 2 | | 5 △ 45 | 23 △ 14 | | | ☌ ☽, at | 10 |
| 31 | c | *Sexageſ.* | | 22 □ 26 | | | 2 ✶ 22 | 11 ✶ 6 | 18 ho. 24′ | 11 |

| | D | ♄ | ♈ | ♅ | ♈ | ☌ | ♉ | ☉ | ♋ | ♀ | ♍ | ☿ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 9 | 42 | 18 | 33 | 11 | 15 | 21 | 41 | 11 | 20 | 10 | 0 | 4 △ ♅ ♀. 1 △ ☌ ♀ |
| | 6 | 9 | 52 | 19 | 0 | 14 | 3 | 26 | 47 | 19 | 15 | 23 | 42 | 6 □ ♅ ♀. 1 △ ♄ ☿ |
| | 11 | 10 | 3 | 19 | 28 | 16 | 52 | 1 | ♌ 52 | 27 | 10 | 7 | ♍ 46 | □ □ ♄ ♀. 15 △ ☌ ☿ |
| | 16 | 10 | 13 | 19 | 55 | 19 | 37 | 6 | 57 | 5 | ♒ 5 | 22 | 40 | 17 □ ♅ ♀. 19 ☍ ♄ ☉ |
| | 21 | 10 | 24 | 20 | 23 | 22 | 22 | 12 | 1 | 13 | 1 | 8 | ♒ 55 | 19 ✶ ♄ ♀. 21 ✶ ♄ ☿ |
| | 26 | 10 | 34 | 20 | 50 | 25 | 6 | 17 | 6 | 20 | 58 | 27 | 6 | 24 ✶ ♅ ☉. 26 ✶ ♅ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. | ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ☿ | ♌ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 23 10 | 7 ♒30 | 0 50 | | 6 37 | 12 44 | 23 32 | 26 14 | 0 50 | 17 2 | | |
| 2 | 24 11 | 21 42 | 0 S 24 | | 6 43 | 12 55 | 24 13 | 27 29 | 2 41 | 16 58 | | |
| 3 | 25 11 | 5 ♓51 | 1 37 | | 6 49 | 13 7 | 24 54 | 28 44 | 4 32 | 16 55 | | |
| 4 | 26 12 | 19 49 | 2 43 | | 6 56 | 13 18 | 25 35 | 0♈ 0 | 6 23 | 16 52 | | |
| 5 | 27 12 | 3 ♈31 | 3 39 | | 7 2 | 13 30 | 26 17 | 1 15 | 8 12 | 16 49 | | |
| 6 | 28 13 | 17 54 | 4 24 | | 7 9 | 13 42 | 26 58 | 2 30 | 10 0 | 16 46 | | |
| ☉ | 29 13 | 0 ♉10 | 4 53 | | 7 16 | 13 54 | 27 39 | 3 45 | 11 47 | 16 43 | | |
| 8 | 0 ♈14 | 12 56 | 5 8 | | 7 22 | 14 7 | 28 20 | 5 1 | 13 33 | 16 40 | | |
| 9 | 1 14 | 25 17 | 5 8 | | 7 29 | 14 19 | 29 1 | 6 16 | 15 8 | 16 37 | | |
| 10 | 2 14 | 7 ♊27 | 4 52 | | 7 36 | 14 32 | 29 42 | 7 31 | 17 1 | 16 33 | | |
| 11 | 3 15 | 19 22 | 4 22 | | 7 43 | 14 44 | 0♉23 | 8 45 | 18 43 | 16 30 | | |
| 12 | 4 15 | 1 ♋12 | 3 45 | | 7 50 | 14 57 | 1 4 | 10 1 | 20 21 | 16 27 | | |
| 13 | 5 15 | 13 0 | 2 53 | | 7 56 | 15 9 | 1 45 | 11 16 | 21 54 | 16 24 | | |
| ☉ | 6 15 | 24 50 | 1 53 | | 8 3 | 15 22 | 2 26 | 12 31 | 23 22 | 16 21 | | |
| 15 | 7 16 | 6 ♌50 | 0 49 | | 8 10 | 15 35 | 3 7 | 13 47 | 24 46 | 16 18 | | |
| 16 | 8 16 | 19 5 | 0 N 15 | | 8 16 | 15 48 | 3 48 | 15 2 | 26 5 | 16 14 | | |
| 17 | 9 16 | 1 ♍35 | 1 19 | | 8 23 | 16 1 | 4 29 | 16 17 | 27 18 | 16 11 | | |
| 18 | 10 16 | 14 28 | 2 22 | | 8 30 | 16 14 | 5 10 | 17 32 | 28 24 | 16 8 | | |
| 19 | 11 16 | 27 38 | 3 20 | | 8 36 | 16 27 | 5 50 | 18 48 | 29 22 | 16 5 | | |
| 20 | 12 16 | 11 ♎11 | 4 6 | | 8 43 | 16 40 | 6 31 | 20 3 | 0♈ 9 | 16 2 | | |
| ☉ | 13 16 | 25 0 | 4 41 | | 8 50 | 16 53 | 7 12 | 21 18 | 0 45 | 15 58 | | |
| 22 | 14 16 | 9 ♏ 45 | 5 2 | | 8 57 | 17 6 | 7 53 | 22 32 | 1 12 | 15 55 | | |
| 23 | 15 16 | 23 14 | 5 6 | | 9 4 | 17 20 | 8 33 | 23 47 | 1 32 | 15 52 | | |
| 24 | 16 16 | 7 ♐27 | 4 49 | | 9 11 | 17 33 | 9 14 | 25 2 | 1 46 | 15 48 | | |
| 25 | 17 15 | 21 38 | 4 17 | | 9 18 | 17 46 | 9 54 | 26 17 | 1 Rx 55 | 15 45 | | |
| 26 | 18 15 | 5 ♑48 | 3 20 | | 9 26 | 18 0 | 10 35 | 27 31 | 1 55 | 1 42 | | |
| 27 | 19 15 | 19 55 | 2 14 | | 9 33 | 18 13 | 11 16 | 28 46 | 1 48 | 15 39 | | |
| ☉ | 20 15 | 3 ♒54 | 1 1 | | 9 40 | 18 26 | 11 57 | 0♈ 0 | 1 28 | 15 36 | | |

### The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 17 | 1 | 11 | 0 | 17 | 1 | 25 | 1 | 30 | 1 |
| 2 | 16 | 1 | 10 | 0 | 22 | 1 | 27 | 0 | 51 | 6 |
| 2 | 16 | 1 | 10 | 0 | 26 | 1 | 27 | 0 N | 4 | 11 |
| 2 | 15 | 1 | 9 | 0 | 29 | 1 | 25 | 1 | 11 | 16 |
| 2 | 15 | 1 | 8 | 0 | 32 | 1 | 22 | 2 | 20 | 21 |
| 2 | 15 | 1 | 8 | 0 | 35 | 1 | 18 | 3 | 14 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Occid. | ☿ Occid | Planets Mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | Bridget | | | 8 □58 | | | | * Shining Harp | 12 |
| 2 | ♇ | *Pu.V.M.* | | | | 4 □28 | | | ✶☉♂. ♂☽ | 13 |
| 3 | ♆ | Blaſe | | 1 ✶40 | 12✶38 | | | | at | 14 |
| 4 | ♅ | Veron. | 12♂ 4 | | | 10✶40 | 19♂36 | | 6 ho. 12′ | 15 |
| 5 | ♃ | Agatha. | | | | | | 9 ♂33 | * G of Andromed. | 16 |
| 6 | ♂ | Doroth. | | | | | | | ♂♂ at Noon | 17 |
| 7 | ☿ | *Quinqu.* | | 13♂27 | | | | | Fomahant | 18 |
| 8 | ♁ | Corint. | | | 2 ♂20 | | | | 29° 36′ 35″ ♒ | 19 |
| 9 | ♀ | Apollon | 12✶46 | | | 7 ♂47 | | | * Gir. Andromed. | 20 |
| 10 | ♄ | Schol. | | | | | 0 ✶ 7 | 22✶26 | ♂☽, at | 21 |
| 11 | ♇ | Euphr. | | | | | | | 1 ho. 58′ | 22 |
| 12 | ♆ | Eufrace | 6 □12 | 13✶33 | | | 20□ 1 | | | 23 |
| 13 | ♅ | Euſtace | | | 4 ✶26 | | | 20□40 | Mid. * Ori. Belt. | 24 |
| 14 | ☿ | *Quadr.* | | | | 15✶55 | | | ♂☽, at 12 ho. 52′ | 25 |
| 15 | ♃ | Fauſtin. | 0 △51 | 2 □39 | 17□27 | | 15△11 | | * Sirius ♂☽, at | 26 |
| 16 | ♂ | Juliana. | | | | | | 14△52 | 5 ho. 48′ | 27 |
| 17 | ☿ | Dioſco. | | 12△48 | | 5 □42 | | | 15 day Shedir | 28 |
| 18 | ♁ | Concor. | | | 3 △17 | | | | ♂♂, at 21 ho, 40′ | 1 |
| 19 | ♀ | Romin. | | | | 15△17 | | | * Merchab ♂♂ | *Mar.* |
| 20 | ♄ | Mildr. | 2 8 1 | | | | 16 8 55 | | at 11 ho. 12′ | |
| 21 | ☿ | 2 *S. in L.* | | 23 8 47 | | | | 10 8 8 | | 4 |
| 22 | ♃ | Cat. Pet. | | | 13 8 50 | | | | * Arcturus | 5 |
| 23 | ♂ | Serenus | | | | | | | ♂☽, at | 6 |
| 24 | ☿ | *S. Matt.* | 16△ 0 | | | 3 8 7 | | | 18 ho. 41′ | 7 |
| 25 | ♁ | Inv. Pa | | | | | 7 △27 | 17△25 | | 8 |
| 26 | ♀ | Sime. B. | | 6 △ 3 | 21△ 4 | | | | * H. of Hercules | 9 |
| 27 | ♄ | Neſtor. | 22□50 | | | | 16□39 | 3 □ 4 | ♂☽, at | 10 |
| 28 | ☿ | 3 *S. in L.* | | 10□ 1 | | 14△38 | | | 10 ho. 29′ | 11 |

| | D | ♄ | ♈ | ♃ | ♈ | ♂ | ♉ | ☉ | ♌ | ♀ | ♓ | ☿ | ♓ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 10 | 46 | 21 | 24 | 28 | 19 | 23 | 10 | 0 | 26 | 22 | ♓35 | 3✶♂♀. 4♂♄♀ |
| | 6 | 10 | 56 | 21 | 51 | 0 | ♊59 | 28 | 13 | 8 | 22 | 17 | ♈53 | 7♂♃♀. 9♂♀♂ |
| | 11 | 11 | 6 | 22 | 19 | 3 | 38 | 3 | ♍15 | 16 | 18 | 17 | ♉11 | 11△♂☉. 17✶♃♀ |
| | 16 | 11 | 16 | 22 | 46 | 6 | 15 | 8 | 16 | 24 | 16 | 18 | ♊51 | 14✶♄♀. □♄♀ 19 |
| | 21 | 11 | 25 | 23 | 14 | 8 | 51 | 13 | 16 | 2 | ♈14 | 20 | ♋ 0 | 21□♃♀. 26♂♄♀ |
| | 26 | 11 | 35 | 23 | 41 | 11 | 24 | 18 | 15 | 10 | 13 | 17 | ♌54 | 24△♄♀. 28□♂♀ |

MARCH

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. | ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 21 15 | 17 48 | 0 S 15 | | 9 48 | 18 40 | 12 38 | 1 15 | 1 0 | 15 33 |
| 2 | 22 15 | 1 ♒38 | 1 25 | | 9 55 | 18 53 | 13 18 | 2 29 | 0 -26 | 15 30 |
| 3 | 23 14 | 15 23 | 2 30 | | 10 3 | 19 7 | 13 59 | 3 44 | 29♓44 | 15 26 |
| 4 | 24 14 | 28 53 | 3 32 | | 10 10 | 19 20 | 14 39 | 4 58 | 28 58 | 15 23 |
| 5 | 25 14 | 12♓13 | 4 12 | | 10 18 | 19 34 | 15 20 | 6 13 | 28 10 | 15 20 |
| 6 | 26 13 | 25 20 | 4 42 | | 10 26 | 19 47 | 16 0 | 7 27 | 27 20 | 15 17 |
| ☉ | 27 13 | 8 ♈16 | 5 0 | | 10 33 | 20 1 | 16 41 | 8 41 | 26 30 | 15 14 |
| 8 | 28 12 | 20 58 | 5 3 | | 10 41 | 20 15 | 17 21 | 9 56 | 25 39 | 15 11 |
| 9 | 29 12 | 3 ♉14 | 4 52 | | 10 48 | 20 29 | 18 2 | 11 10 | 24 48 | 15 7 |
| 10 | 0♈11 | 15 21 | 4 27 | | 10 56 | 20 43 | 18 42 | 12 24 | 23 57 | 15 4 |
| 11 | 1 11 | 27 17 | 3 50 | | 11 3 | 20 57 | 19 23 | 13 38 | 23 7 | 15 1 |
| 12 | 2 10 | 9 ♊ 7 | 3 4 | | 11 11 | 21 11 | 20 3 | 14 53 | 22 18 | 14 58 |
| 13 | 3 9 | 20 55 | 2 7 | | 11 18 | 21 25 | 20 43 | 16 7 | 21 31 | 14 55 |
| ☾ | 4 9 | 2 ♋45 | 1 5 | | 11 26 | 21 39 | 21 24 | 17 21 | 20 52 | 14 52 |
| 15 | 5 8 | 14 44 | 0 1 | | 11 33 | 21 53 | 22 4 | 18 35 | 20 24 | 14 48 |
| 16 | 6 7 | 26 59 | 1 N 4 | | 11 41 | 22 8 | 22 44 | 19 50 | 20 1 | 14 45 |
| 17 | 7 7 | 9 ♌30 | 2 6 | | 11 48 | 22 22 | 23 25 | 21 4 | 19 40 | 14 42 |
| 18 | 8 6 | 22 26 | 3 6 | | 11 55 | 22 37 | 24 5 | 22 18 | 19 25 | 14 38 |
| 19 | 9 5 | 5 ♍54 | 3 55 | | 12 3 | 22 51 | 24 45 | 23 33 | 19 15 | 14 35 |
| 20 | 10 4 | 19 29 | 4 36 | | 12 11 | 23 6 | 25 25 | 24 47 | 19 8 | 14 32 |
| ☾ | 11 3 | 3 ♎10 | 4 54 | | 12 19 | 23 20 | 26 5 | 26 2 | 19D 10 | 14 29 |
| 22 | 12 2 | 17 55 | 5 0 | | 12 26 | 23 34 | 26 45 | 27 16 | 19 15 | 14 26 |
| 23 | 13 1 | 2 ♏38 | 4 50 | | 12 34 | 23 49 | 27 25 | 28 30 | 19 25 | 14 23 |
| 24 | 14 0 | 17 18 | 4 20 | | 12 41 | 24 3 | 28 5 | 29 44 | 19 40 | 14 20 |
| 25 | 14 59 | 1 ♐54 | 3 28 | | 12 48 | 24 17 | 28 45 | 0♉58 | 20 1 | 14 17 |
| 26 | 15 58 | 16 25 | 2 25 | | 12 56 | 24 32 | 29 25 | 2 12 | 20 31 | 14 13 |
| 27 | 16 57 | 0 ♑41 | 1 14 | | 13 3 | 24 46 | 0♊ 5 | 3 26 | 21 3 | 14 10 |
| ☉ | 17 56 | 14 44 | 0 S 3 | | 13 10 | 25 0 | 0 45 | 4 40 | 21 38 | 14 7 |
| 29 | 18 54 | 28 29 | 1 16 | | 13 18 | 25 15 | 1 24 | 5 54 | 22 17 | 14 4 |
| 30 | 19 53 | 12♒22 | 2 22 | | 13 25 | 25 29 | 2 4 | 7 8 | 22 59 | 14 0 |
| 31 | 20 52 | 25 22 | 3 24 | | 13 32 | 25 43 | 2 44 | 8 21 | 23 44 | 13 57 |

## The Latitude of the Planets.

| ☿ | S | ♀ | S | ♂ | N | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 15 | 1 | 7 | 0 | 37 | 1 | 15 | 3 | 30 | 1 |
| 2 | 14 | 1 | 7 | 0 | 40 | 1 | 8 | 3 | 20 | 6 |
| 2 | 14 | 1 | 6 | 0 | 43 | 1 | 0 | 2 | 31 | 11 |
| 2 | 14 | 1 | 6 | 0 | 46 | 0 | 51 | 1 | 21 | 16 |
| 2 | 14 | 1 | 5 | 0 | 48 | 0 | 41 | 0 | 7 | 21 |
| 2 | 14 | 1 | 5 | 0 | 0 | 0 | 30 | 1 | S 3 | 26 |

## The Lunar Aſpects.

| Jul. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Occid. | ☿ Occid. | Planets Mutual Aſpects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | David B. | 6 ✶28 | | 1 □29 | | | 22✶ 0 | * Swan's mouth | 12 |
| 2 | ♇ | Ced. B. | | 14✶37 | | 21□26 | 1 ✶41 | | ☌ ☽, at | 13 |
| 3 | ♈ | Cunig. | | | 6 ✶ 1 | | | | 16 ho. 16′ | 14 |
| 4 | ♉ | Adrian | | | | | | | | 15 |
| 5 | ♊ | Phocas | | | | 6 ✶ 0 | | | * Merchab | 16 |
| 6 | ♋ | Frodel. | 1 ☌47 | | | | | 3 ☌39 | ☌ ☽, at 13 ho. 8′ | 17 |
| 7 | ♌ | *M.L.Su.* | | 4 ☌22 | 22☌34 | | ☍ ☌53 | | ☌ ☉ ☿ | 18 |
| 8 | ♍ | Cyprian | | | | | | *Orien.* | ☌ ♄ ♀ | 19 |
| 9 | ♎ | Prudent | | | | | | | 8 day Head of | 20 |
| 10 | ♏ | Alexan. | | | | 7 ☌17 | | 16✶10 | Andromeda | 21 |
| 11 | ♐ | Agapit. | 8 ✶42 | | | | | | ☌ ♀, at | 22 |
| 12 | ♑ | Gregor. | | 3 ✶56 | | | 13✶ 6 | | 5 ho. 50′ | 23 |
| 13 | ♒ | Euphr. | | | 1 ✶ 2 | | | 1 □10 | ✶☌ ☿ | 24 |
| 14 | ♓ | 5 *S. Lent* | 3 □ 3 | 17□34 | | | | | | 25 |
| 15 | ♈ | Longin. | | | 14□20 | 15✶16 | 8 □28 | 9 △47 | * Head of *Algol* | 26 |
| 16 | ♉ | Herib. | 19△ 5 | | | | | | ☌ ☌, at Noon | 27 |
| 17 | ♊ | Gertr. | | 4 △18 | | | 23△44 | | | 28 |
| 18 | ♋ | Edw. K. | | | 0 △21 | 2 □58 | | | ☌ ♃ ♀ | 29 |
| 19 | ♌ | Joſeph. | | | | | | 23 8 15 | 20 day ☌ ☌. 7✶ | 30 |
| 20 | ♍ | Cuthb. | | | | 10△56 | | | at 15 ho. 36′ | 31 |
| 21 | ♎ | *Pal.Sun.* | 13 ✶40 | 15 8 7 | | | | | | 1 |
| 22 | ♏ | Aphro. | | | 9 823 | | 16 838 | | ☌ ♄ ☉ | |
| 23 | ♐ | Victor. | | *Orien.* | | | | | * Luci. Corona | |
| 24 | ♑ | Quirin. | | | | 18 834 | | 4 △ 0 | ☌ ☾, at 8 ho. 55′ | *April* |
| 25 | ♒ | *An.V.M.* | 23△ 4 | 18△10 | | | | | * Antares ☌ ☽, | 5 |
| 26 | ♓ | Caſtul. | | | 13△53 | | | 7 □ 9 | at 5 ho. 12′ | 6 |
| 27 | ♈ | Joh. Er. | | 21□20 | | | 5 △ 9 | | * Schedir. ☌ ♀, | 7 |
| 28 | ♉ | *Ea. Day* | 6 □ 3 | | 18□16 | | | 12✶46 | at 5 ho. 50′ | 8 |
| 29 | ♊ | Quintin | | | | 5 △25 | 14□26 | | H. Andromeda | 9 |
| 30 | ♋ | Guido. | 15✶15 | 2 ✶31 | | | | | ♈ | 10 |
| 31 | ♌ | Balbina. | | | 0 ✶40 | 14□11 | | | 10° 12′ 40″ | 11 |

| | D | ♄ | ♈ | ♃ | ♈ | ♂ | ♊ | ☉ | ♍ | ♀ | ♈ | ☿ | ♍ | Heliocentr. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 11 | 45 | 23 | 57 | 12 | 57 | 21 | 15 | 14 | 58 | 2 | ♍41 | 7 ☌ ☉ ☽. 8 ☌ ♃ ♀ |
| | 6 | 11 | 55 | 24 | 24 | 15 | 30 | 26 | 13 | 22 | 59 | 24 | 18 | 11 8 ♄ ☌. 11 8 ♄ ☿ |
| | 11 | 12 | 6 | 24 | 52 | 18 | 1 | 1 | ♎11 | 0 | ♉59 | 13 | ♎ 3 | 13 △ ☌ ♀. 14 8 ♅ ♀ |
| | 16 | 12 | 16 | 25 | 19 | 20 | 32 | 6 | 7 | 9 | 029 | 40 | 21 8 ♄ ☾. 23 ✶ ♀ ♀ | |
| | 21 | 12 | 27 | 25 | 47 | 23 | 0 | 11 | 3 | 17 | 2 14 | ♍50 | 26 ✶ ♄ ☌. | |
| | 26 | 12 | 37 | 26 | 14 | 25 | 29 | 15 | 58 | 25 | 429 | 4 | | |

APRIL

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ♐ | ☊ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 21 50 | 8 30 | 4 S 11 | 13 40 | 25 57 | 3 24 | 9 35 | 24 31 | 13 54 | | |
| 2 | 22 49 | 21 29 | 4 43 | 13 47 | 26 12 | 4 4 | 10 49 | 25 22 | 13 50 | | |
| 3 | 23 47 | 4 ♈ 16 | 5 3 | 13 55 | 26 26 | 4 44 | 12 2 | 26 16 | 13 47 | | |
| ☉ | 24 46 | 16 54 | 5 0 | 14 3 | 26 40 | 5 24 | 13 16 | 27 14 | 13 44 | | |
| 5 | 25 45 | 29 15 | 4 49 | 14 10 | 26 55 | 6 3 | 14 30 | 28 16 | 13 41 | | |
| 6 | 26 43 | 11 ♉ 33 | 4 25 | 14 18 | 27 9 | 6 43 | 15 43 | 29 23 | 13 38 | | |
| 7 | 27 42 | 23 32 | 3 53 | 14 25 | 27 24 | 7 23 | 16 57 | ♈ 32 | 13 35 | | |
| 8 | 28 40 | 5 ♊ 28 | 3 7 | 14 33 | 27 38 | 8 3 | 18 11 | 1 42 | 13 32 | | |
| 9 | 29 38 | 17 22 | 2 14 | 14 41 | 27 53 | 8 43 | 19 24 | 2 55 | 13 28 | | |
| 10 | ♉ 37 | 29 8 | 1 19 | 14 48 | 28 7 | 9 22 | 20 38 | 4 9 | 13 25 | | |
| ☉ | 1 35 | 11 ♋ 2 | 0 12 | 14 56 | 28 21 | 10 2 | 21 51 | 5 25 | 13 22 | | |
| 12 | 2 33 | 23 0 | 0 N 52 | 15 3 | 28 36 | 10 41 | 23 4 | 6 44 | 13 19 | | |
| 13 | 3 32 | 5 ♌ 13 | 1 57 | 15 10 | 28 50 | 11 20 | 24 18 | 8 6 | 13 16 | | |
| 14 | 4 30 | 17 42 | 2 59 | 15 17 | 29 4 | 12 0 | 25 31 | 9 30 | 13 12 | | |
| 15 | 5 28 | 0 ♍ 24 | 3 52 | 15 24 | 29 19 | 12 39 | 26 44 | 10 56 | 13 9 | | |
| 16 | 6 26 | 13 52 | 4 29 | 15 31 | 29 33 | 13 19 | 27 58 | 12 25 | 13 6 | | |
| 17 | 7 24 | 27 30 | 4 54 | 15 38 | 29 47 | 13 58 | 29 11 | 13 53 | 13 3 | | |
| ☉ | 8 22 | 11 ♎ 38 | 5 4 | 15 45 | ♉ 2 | 14 38 | ♊ 24 | 15 23 | 12 59 | | |
| 19 | 9 20 | 26 24 | 4 55 | 15 52 | 0 16 | 15 17 | 1 38 | 16 55 | 12 56 | | |
| 20 | 10 19 | 11 ♏ 24 | 4 25 | 15 59 | 0 30 | 15 57 | 2 51 | 18 29 | 12 53 | | |
| 21 | 11 17 | 26 11 | 3 40 | 16 6 | 0 44 | 16 36 | 4 5 | 20 5 | 12 50 | | |
| 22 | 12 15 | 11 ♐ 14 | 2 39 | 16 14 | 0 59 | 17 15 | 5 18 | 21 44 | 12 47 | | |
| 23 | 13 13 | 26 6 | 1 29 | 16 21 | 1 13 | 17 54 | 6 31 | 23 24 | 12 43 | | |
| 24 | 14 11 | 10 ♑ 43 | 0 12 | 16 28 | 1 27 | 18 34 | 7 44 | 25 7 | 12 40 | | |
| ☉ | 15 9 | 24 58 | 1 S 4 | 16 35 | 1 42 | 19 13 | 8 57 | 26 51 | 12 37 | | |
| 26 | 16 7 | 8 ♒ 52 | 2 19 | 16 42 | 1 56 | 19 52 | 10 10 | 28 38 | 12 34 | | |
| 27 | 17 5 | 22 22 | 3 21 | 16 49 | 2 10 | 20 31 | 11 23 | ♉ 26 | 12 31 | | |
| 28 | 18 2 | 5 ♓ 31 | 4 9 | 16 56 | 2 24 | 21 10 | 12 36 | 2 16 | 12 28 | | |
| 29 | 19 0 | 18 25 | 4 44 | 17 3 | 2 38 | 21 49 | 13 49 | 4 8 | 12 25 | | |
| 30 | 19 58 | 1 ♈ 6 | 5 2 | 17 10 | 2 52 | 22 28 | 15 2 | 6 2 | 12 22 | | |

## The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 14 | 1 | 4 | 0 | 53 | 0 | 15 | 2 | 0 | 1 |
| 2 | 15 | 1 | 3 | 0 | 54 | 0 | N 2 | 2 | 31 | 6 |
| 2 | 15 | 1 | 3 | 0 | 56 | 0 | 11 | 2 | 45 | 11 |
| 2 | 15 | 1 | 2 | 0 | 57 | 0 | 24 | 2 | 40 | 16 |
| 2 | 16 | 1 | 1 | 0 | 59 | 0 | 37 | 2 | 20 | 21 |
| 2 | 16 | 1 | 0 | 1 | 00 | 0 | 50 | 2 | 4 | 26 |

## The Lunar Aſpects.

| J.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid | ♂ Occid. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♐ | Theod. | | | | | 2 ✶ 11 | | | 12 |
| 2 | ♑ | Ma. Eg. | | | | | | 7 ☌ 50 | * G. of Androm. | 13 |
| 3 | ♒ | Ulpian | | 17 ☌ 33 | | 0 ✶ 56 | | | ☌ ♃, at | 14 |
| 4 | ♓ | *L. Sund.* | 16 ☌ 39 | | 21 ☌ 22 | | | | 6 ho. 52′ | 15 |
| 5 | ♈ | Vincent | | | | | | | 4 day Aldeb. ☌ ☌, | 16 |
| 6 | ♉ | Sixtus | | | | | 8 ☌ 30 | | ☌ ♃ ☉ (at 9 h. 14′ | 17 |
| 7 | ♊ | Egeſip. | | | *Orien.* | | | 15 ✶ 39 | * Pleiades ☌ ☽ | 18 |
| 8 | ♋ | Dionyſ. | | 18 ✶ 32 | | 5 ☌ 31 | | | at 4 ho. 40′ | 19 |
| 9 | ♌ | Vincent | | | 21 ✶ 51 | | | | * Propus ☌ ☽, | 20 |
| 10 | ♍ | Ezekiel | 3 ✶ 16 | | | | | 11 □ 28 | at 19 ho. 17′ | 21 |
| 11 | ♎ | 2p. *Eaſt.* | | 7 □ 55 | | | | | * Pollux ☌ ☽, | 22 |
| 12 | ♏ | Julius | 20 □ 28 | | 11 □ 12 | | 0 ✶ 8 | | at 16 ho. 20′ | 23 |
| 13 | ♐ | Juſtinus | | 19 △ 3 | | 12 ✶ 26 | | 6 △ 16 | 14 Day, Pleiades | 24 |
| 14 | ♑ | Tiburt. | | | 21 △ 52 | | 16 □ 6 | | ☌ ♀, at 6 ho. 35′ | 25 |
| 15 | ♒ | Perpet. | 9 △ 45 | | | 22 □ 58 | | | * Rigel, ☌ ☌, | 26 |
| 16 | ♓ | Cariſius | | | | | | | at 3 ho. 00′ | 27 |
| 17 | ♈ | Anicet. | | | | | 3 △ 9 | | ☌ ☌ ♀ | 28 |
| 18 | ♉ | 3p. *Eaſt.* | | 6 8 56 | | 5 △ 15 | | 6 8 56 | ☌ ♄ ♀ | 29 |
| 19 | ♊ | Timon | 22 8 46 | | 6 8 55 | | | | | 30 |
| 20 | ♋ | Sulpit. | | | | | | | ✶ ♄ ☌ | 1 |
| 21 | ♌ | Simeon | | | | | 13 8 33 | | | |
| 22 | ♍ | Quint. | | 8 △ 9 | | 10 8 10 | | 19 △ 8 | * Aldebaran | |
| 23 | ♎ | *S. GEO.* | | | 8 △ 34 | | | | ☌ ♀, at | *May* |
| 24 | ♏ | Albert. | 6 △ 24 | 9 □ 53 | | | | | 6 ho. 54′ | |
| 25 | ♐ | *S. Mark* | | | 11 □ 48 | | | 3 □ 43 | Mid. * Ori. Belt. | 6 |
| 26 | ♑ | Cletus | 13 □ 56 | 14 ✶ 10 | | 20 △ 34 | 2 △ 31 | | ☌ ☌, at | 7 |
| 27 | ♒ | Anaſt. | | | 18 ✶ 16 | | | 17 ✶ 8 | 4 ho. 55′ | 8 |
| 28 | ♓ | Vitalis | | | | | 14 □ 29 | | ☌ ♃ ♀ | 9 |
| 29 | ♈ | P. Mart. | 1 ✶ 12 | | | 6 □ 47 | | | * Scheat ☌ ☽, at | 10 |
| 30 | ♉ | Eutrop. | | | | | | | 12 ho. 54′ | 11 |

| | D | ♄ | ♈ | ♃ | ♉ | ☌ | ♍ | ☉ | ♎ | ♀ | ♐ | ☿ | ♑ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 12 | 49 | 26 | 47 | 28 | 24 | 21 | 50 | 4 | 44 | 15 | ♑ 34 | 4 ✶ ☉ ♀. 5 △ ♃ ♀ |
| | 6 | 12 | 59 | 27 | 14 | 0 | ♋ 50 | 26 | 43 | 12 | 48 | 29 | 20 | 6 8 ♃ ☉. 6 ✶ ♄ ♀ |
| | 11 | 13 | 10 | 27 | 42 | 3 | 14 | 1 | ♏ 35 | 20 | 52 | 13 | ♌ 42 | □ ♄ ♀ 11. 15 △ ☌ ☉ |
| | 16 | 13 | 20 | 28 | 9 | 5 | 39 | 6 | 26 | 28 | 58 | 29 | 5 | 16 ✶ ♃ ♀. 19 ✶ ♄ ♀ |
| | 21 | 13 | 31 | 28 | 37 | 8 | 1 | 11 | 17 | 7 | ♋ 4 | 16 | ♒ 2 | □ ♃ ♀ 16. 21 ☌ ☌ ♀ |
| | 26 | 13 | 41 | 29 | 4 | 10 | 23 | 16 | 7 | 15 | 10 | 5 | ♓ 13 | 25 □ ♄ ♀. 28 △ ☌ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☿ | ☽ | ♈ | Lat. ☽ | ♄ | ♈ | ♃ | ☿ | ♂ | ♊ | ♀ | ♊ | ♀ | ♉ | ☊ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 20 | 56 | 13 | 34 | 5 S | 7 | 17 | 17 | 3 | 6 | 23 | 7 | 16 | 15 | 7 | 58 | 12 | 18 |
| ☉ | 21 | 54 | 25 | 55 | 4 | 56 | 17 | 24 | 3 | 20 | 23 | 46 | 17 | 28 | 9 | 56 | 12 | 15 |
| 3 | 22 | 51 | 8 | ♉13 | 4 | 33 | 17 | 30 | 3 | 34 | 24 | 25 | 18 | 40 | 11 | 56 | 12 | 12 |
| 4 | 23 | 49 | 20 | 8 | 3 | 56 | 17 | 37 | 3 | 48 | 25 | 4 | 19 | 53 | 13 | 58 | 12 | 9 |
| 5 | 24 | 47 | 2 | ♊ 5 | 3 | 17 | 17 | 43 | 4 | 2 | 25 | 43 | 21 | 5 | 16 | 1 | 12 | 6 |
| 6 | 25 | 45 | 13 | 59 | 2 | 23 | 17 | 49 | 4 | 16 | 26 | 22 | 22 | 18 | 18 | 6 | 12 | 3 |
| 7 | 26 | 43 | 25 | 49 | 1 | 22 | 17 | 56 | 4 | 29 | 27 | 1 | 23 | 30 | 20 | 13 | 12 | 0 |
| 8 | 27 | 40 | 7 | ♋31 | 0 | 21 | 18 | 2 | 4 | 43 | 27 | 40 | 24 | 43 | 22 | 21 | 11 | 57 |
| ☉ | 28 | 38 | 19 | 34 | 0 N | 41 | 18 | 9 | 4 | 57 | 28 | 19 | 25 | 55 | 24 | 31 | 11 | 53 |
| 10 | 29 | 35 | 1 | ♌40 | 1 | 41 | 18 | 15 | 5 | 10 | 28 | 58 | 27 | 8 | 26 | 42 | 11 | 50 |
| 11 | ♌ | 33 | 13 | 50 | 2 | 39 | 18 | 22 | 5 | 24 | 29 | 37 | 28 | 20 | 28 | 54 | 11 | 44 |
| 12 | 1 | 30 | 26 | 17 | 3 | 35 | 18 | 28 | 5 | 38 | ♋ | 16 | 29 | 32 | 1 ♍ | 5 | 11 | 44 |
| 13 | 2 | 28 | 9 | ♍ 6 | 4 | 24 | 18 | 34 | 5 | 51 | 0 | 55 | ♋ | 44 | 3 | 16 | 11 | 41 |
| 14 | 3 | 25 | 22 | 16 | 4 | 56 | 18 | 41 | 6 | 5 | 1 | 34 | 1 | 57 | 5 | 26 | 11 | 38 |
| 15 | 4 | 23 | 5 | ♎57 | 5 | 8 | 18 | 47 | 6 | 18 | 2 | 13 | 3 | 9 | 7 | 36 | 11 | 35 |
| ☉ | 5 | 20 | 20 | 5 | 5 | 6 | 18 | 53 | 6 | 32 | 2 | 51 | 4 | 21 | 9 | 46 | 11 | 32 |
| 17 | 6 | 18 | 4 | ♏40 | 4 | 42 | 18 | 59 | 6 | 45 | 3 | 30 | 5 | 33 | 11 | 57 | 11 | 28 |
| 18 | 7 | 16 | 19 | 37 | 3 | 58 | 19 | 5 | 6 | 59 | 4 | 9 | 6 | 45 | 14 | 7 | 11 | 25 |
| 19 | 8 | 13 | 4 | ♐44 | 2 | 59 | 19 | 11 | 7 | 12 | 4 | 48 | 7 | 57 | 16 | 17 | 11 | 22 |
| 20 | 9 | 10 | 19 | 58 | 1 | 49 | 19 | 17 | 7 | 26 | 5 | 26 | 9 | 9 | 18 | 28 | 11 | 19 |
| 21 | 10 | 8 | 5 | ♑ 4 | 0 | 32 | 19 | 23 | 7 | 39 | 6 | 5 | 10 | 21 | 20 | 38 | 11 | 15 |
| 22 | 11 | 5 | 19 | 57 | 0 S | 47 | 19 | 29 | 7 | 32 | 6 | 44 | 11 | 33 | 22 | 44 | 11 | 12 |
| ☉ | 12 | 2 | 4 | ♒28 | 1 | 58 | 19 | 34 | 8 | 5 | 7 | 22 | 12 | 45 | 24 | 46 | 11 | 9 |
| 24 | 13 | 0 | 18 | 31 | 3 | 3 | 19 | 40 | 8 | 18 | 8 | 1 | 13 | 56 | 26 | 44 | 11 | 6 |
| 25 | 13 | 57 | 2 | ♓ 7 | 4 | 1 | 19 | 45 | 8 | 31 | 8 | 39 | 15 | 8 | 28 | 39 | 11 | 2 |
| 26 | 14 | 54 | 15 | 17 | 4 | 45 | 19 | 50 | 8 | 43 | 9 | 18 | 16 | 19 | ♋ | 30 | 10 | 59 |
| 27 | 15 | 51 | 28 | 5 | 5 | 8 | 19 | 56 | 8 | 56 | 9 | 56 | 17 | 31 | 2 | 20 | 10 | 56 |
| 28 | 16 | 45 | 10 | ♈37 | 5 | 12 | 20 | 1 | 9 | 8 | 10 | 35 | 18 | 42 | 4 | 7 | 10 | 53 |
| 29 | 17 | 46 | 22 | 53 | 5 | 3 | 20 | 6 | 9 | 21 | 11 | 13 | 19 | 54 | 5 | 53 | 10 | 50 |
| ☉ | 18 | 43 | 5 | ♉ 44 | 4 | 1 | 20 | 11 | 9 | 23 | 11 | 52 | 21 | 5 | 7 | 36 | 10 | 47 |
| 31 | 19 | 41 | 17 | 34 | 2 | 7 | 20 | 16 | 9 | 46 | 12 | 30 | 22 | 17 | 9 | 18 | 10 | 44 |

## The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 17 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 27 | 1 |
| 2 | 17 | 1 | 0 | 1 | 2 | 1 | 5 | 0 | 38 | 6 |
| 2 | 18 | 1 | 1 | 1 | 3 | 1 | 12 | 0 N | 10 | 11 |
| 2 | 19 | 1 | 1 | 1 | 4 | 1 | 26 | 1 | 2 | 16 |
| 2 | 20 | 1 | 2 | 1 | 5 | 1 | 40 | 1 | 40 | 21 |
| 2 | 21 | 1 | 3 | 1 | 6 | 1 | 46 | 1 | 59 | 26 |

## The Lunar Aspects.

| Ju.A | W.D. | Saints Days. | ☉ | ♄ Orient. | ♃ Orient. | ♂ Occid. | ♀ Occid. | ☿ Orient | Planets mutual Aspects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | Ph.& Ja | | 6 ☌ 19 | | 18 ✶ 47 | 5 ✶ 33 | | ✶ ♄ ♀ | 12 |
| 2 | ☾ | Ro. Sun. | | | 14 ☌ 25 | | | | | 13 |
| 3 | ♂ | Inv. Cr. | | | | | | 9 ☌ 6 | Mid. * Ori. Belt. | 14 |
| 4 | ♀ | Florian | 8 ☌ 4 | | | | | | ☌ ♀, at 13 ho. 28′ | 15 |
| 5 | ☿ | Gothar. | | | | | | | * Aldebaran ☌ ☽, | 16 |
| 6 | ♃ | Asc. Day | | 7 ✶ 52 | | | 18 ☌ 47 | | 7 ho. 11′ | 17 |
| 7 | ♄ | Juvenal | | | 17 ✶ 9 | 2 ☌ 26 | | | 6 Day Propus | 18 |
| 8 | ♅ | Staniſla. | | 21 □ 9 | | | | | ☌ ☌, at 16 ho. 37′ | 19 |
| 9 | ☾ | 6p. Eaſt | 19 ✶ 36 | | | | | 11 ✶ 58 | * Propus ☌ ♀ | 20 |
| 10 | ♄ | Gordi. | | | 7 □ 3 | | | | at 17 ho. 45′ | 21 |
| 11 | ♂ | Mamert | | 8 △ 49 | | | | | | 22 |
| 12 | ♀ | Pancr. | 8 □ 35 | | 17 △ 49 | 7 ✶ 53 | 6 ✶ 46 | 10 □ 50 | ☌ ☌ ♀. ☌ ☉ ☿ | 23 |
| 13 | ☿ | Servati. | | | | | | Occid. | * Tail of ♌ | 24 |
| 14 | ♃ | Bonif. | 19 △ 14 | | | 17 □ 10 | 18 □ 37 | | ☌ ☽, at | 25 |
| 15 | ♄ | Sophia | | 23 8 36 | | | | 3 △ 18 | 15 ho. 18′ | 26 |
| 16 | ☾ | Wh. Sun. | | | | 22 △ 0c | | | | 27 |
| 17 | ♄ | Torpet. | | | 3 8 24 | | 3 △ 14 | | | 28 |
| 18 | ♀ | Venant. | | | | | | | ✶ ♃ ♀ | 29 |
| 19 | ♂ | Poten. | 5 8 53 | 22 △ 38 | | | | 21 8 0 | | 30 |
| 20 | ♀ | Dunſtan | | | | | | | ✶ ♄ ☿ | 31 |
| 21 | ☿ | Helena | | 23 □ 0 | 4 △ 14 | 1 8 43 | 9 8 15 | | 20 day. Sirius | 1 |
| 22 | ♃ | Hoſpit. | | | | | | | ☌ ♀, at | June |
| 23 | ☾ | Tri. Sun. | 13 △ 53 | | 6 □ 16 | | | | 17 ho. 40′ | |
| 24 | ♄ | Eſter. | | 2 ✶ 4 | | | | 16 △ 54 | ✶ ♃ ☌ | |
| 25 | ♅ | Urban | 23 □ 14 | | 11 ✶ 50 | 22 △ 32 | | | * Shining Harp | 5 |
| 26 | ☿ | Quadr. | | | | | 2 △ 8 | | ☌ ☽, at 16 ho. 30′ | 6 |
| 27 | ♃ | Beda V. | | | | 23 □ 56 | | 9 ♎ 30 | * Great Dog | 7 |
| 28 | ♄ | German | 13 ✶ 7 | 18 ☌ 33 | | | 17 □ 33 | | ☌ ☌, at 3 ho. 42′ | 8 |
| 29 | ☾ | K.C. Na | | | | | | | □ ♄ ♀ | 9 |
| 30 | ♂ | I p. Tri. | | | 9 ☌ 10 | 14 ✶ 27 | | 5 ✶ 58 | * Procyon ☌ ♀, at | 10 |
| 31 | ♀ | Petron. | | | | | 11 ✶ 43 | | ✶ ♄ ☉ (13 ho. 20′ | 11 |

| | D | ♄ | ♈ | ♃ | ♈ | ☌ | ♋ | ☉ | ♍ | ♀ | ♋ | ☿ | ♓ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 13 | 51 | 29 | 32 | 13 | 42 | 20 | 56 | 23 | 16 | 27 | ♓ 28 | 1 □ ♄ ☌. 4 ☌ ♄ ♀ |
| | 6 | 14 | 2 | 29 | 59 | 15 | 2 | 25 | 45 | 1 | ♌ 22 | 23 | ♈ 36 | 4 □ ☌ ♀, 8 ☌ ♃ ☿ |
| | 11 | 14 | 12 | 0 | ♉ 26 | 17 | 21 | 0 | ♐ 33 | 9 | 29 | 23 | ♉ 33 | 5 □ ♃ ♀. 14 △ ♄ ☿ |
| | 16 | 14 | 23 | 0 | 53 | 19 | 40 | 5 | 20 | 17 | 35 | 24 | ♊ 42 | 14 ✶ ♄ ♀. 18 ☌ ☌ ✶ |
| | 21 | 14 | 33 | 1 | 21 | 21 | 57 | 10 | 8 | 25 | 43 | 26 | ♋ 4 | 19 □ ♄ ♀. 20 ☌ ☌ ♀ |
| | 26 | 14 | 44 | 1 | 48 | 24 | 14 | 14 | 54 | 3 | ♍ 52 | 23 | ♌ 9 | 23 ✶ ♃ ♀. 25 △ ♄ ☉ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☊ | ☽ | ☌ | Lat. | ☽ | ♄ | ♈ | ♃ | ☌ | ♂ | ☾ | ♀ | ☾ | ☌ | ☾ | ☌ | ☾ | ☌ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | | ° | ′ | ° | ′ | ° | ′ | ° | | ° | ′ | ° | ′ | ° | ′ |
| 1 | 20 | 38 | 28 | 59 | 3 S | 23 | 20 | 21 | 9 | 58 | 13 | 9 | 23 | 28 | 10 | 58 | 10 | 39 | |
| 2 | 21 | 35 | 10 | ♊ 53 | 2 | 31 | 20 | 26 | 10 | 11 | 13 | 47 | 24 | 39 | 12 | 35 | 10 | 36 | |
| 3 | 22 | 32 | 22 | 45 | 1 | 32 | 20 | 31 | 10 | 23 | 14 | 26 | 25 | 50 | 14 | 9 | 10 | 33 | |
| 4 | 23 | 29 | 4 | ♋ 43 | 0 | 30 | 20 | 36 | 10 | 36 | 15 | 4 | 27 | 1 | 15 | 40 | 10 | 30 | |
| 5 | 24 | 27 | 16 | 35 | 0 N | 32 | 20 | 40 | 10 | 48 | 15 | 43 | 28 | 12 | 17 | 8 | 10 | 27 | |
| ☉ | 25 | 24 | 28 | 35 | 1 | 34 | 20 | 45 | 11 | 0 | 16 | 21 | 29 | 23 | 18 | 34 | 10 | 24 | |
| 7 | 26 | 21 | 10 | ♌ 42 | 2 | 34 | 20 | 50 | 11 | 12 | 17 | 0 | 0 | ☌ 34 | 19 | 57 | 10 | 21 | |
| 8 | 27 | 18 | 22 | 59 | 3 | 30 | 20 | 54 | 11 | 24 | 17 | 38 | 1 | 45 | 21 | 18 | 10 | 17 | |
| 9 | 28 | 16 | 5 | ♍ 31 | 4 | 16 | 20 | 59 | 11 | 36 | 18 | 17 | 2 | 56 | 22 | 37 | 10 | 14 | |
| 10 | 29 | 13 | 18 | 19 | 4 | 51 | 21 | 4 | 11 | 48 | 18 | 56 | 4 | 6 | 23 | 54 | 10 | 11 | |
| 11 | 0 | ♋ 10 | 1 | ♎ 26 | 5 | 13 | 21 | 8 | 12 | 0 | 19 | 34 | 5 | 17 | 25 | 8 | 10 | 8 | |
| 12 | 1 | 7 | 14 | 59 | 5 | 14 | 21 | 12 | 12 | 12 | 20 | 13 | 6 | 27 | 26 | 19 | 10 | 5 | |
| ☉ | 2 | 4 | 28 | 52 | 4 | 56 | 21 | 16 | 12 | 23 | 20 | 51 | 7 | 38 | 27 | 27 | 10 | 2 | |
| 14 | 3 | 1 | 13 | ♏ 16 | 4 | 20 | 21 | 20 | 12 | 35 | 21 | 30 | 8 | 48 | 28 | 32 | 9 | 58 | |
| 15 | 3 | 58 | 28 | 16 | 3 | 25 | 21 | 24 | 12 | 46 | 22 | 8 | 9 | 58 | 29 | 33 | 9 | 55 | |
| 16 | 4 | 56 | 13 | ♐ 42 | 2 | 18 | 21 | 27 | 12 | 58 | 22 | 46 | 11 | 8 | 0 | ☌ 31 | 9 | 52 | |
| 17 | 5 | 53 | 28 | 0 | 1 | 2 | 21 | 31 | 13 | 9 | 23 | 25 | 12 | 19 | 1 | 26 | 9 | 49 | |
| 18 | 6 | 50 | 13 | ♑ 15 | 0 S | 18 | 21 | 35 | 13 | 20 | 24 | 3 | 13 | 29 | 2 | 18 | 9 | 46 | |
| 19 | 7 | 47 | 28 | 13 | 1 | 35 | 21 | 38 | 13 | 31 | 24 | 41 | 14 | 39 | 3 | 6 | 9 | 43 | |
| ☉ | 8 | 44 | 12 | ♒ 53 | 2 | 44 | 21 | 42 | 13 | 42 | 25 | 20 | 15 | 49 | 3 | 51 | 9 | 40 | |
| 21 | 9 | 41 | 27 | 9 | 3 | 46 | 21 | 45 | 13 | 53 | 25 | 58 | 16 | 59 | 4 | 34 | 9 | 37 | |
| 22 | 10 | 38 | 10 | ♓ 58 | 4 | 33 | 21 | 48 | 14 | 3 | 26 | 36 | 18 | 9 | 5 | 13 | 9 | 33 | |
| 23 | 11 | 35 | 24 | 18 | 5 | 0 | 21 | 51 | 14 | 14 | 27 | 15 | 19 | 18 | 5 | 48 | 9 | 30 | |
| 24 | 12 | 32 | 7 | ♈ 11 | 5 | 16 | 21 | 54 | 14 | 24 | 27 | 53 | 20 | 28 | 6 | 18 | 9 | 27 | |
| 25 | 13 | 30 | 19 | 39 | 5 | 11 | 21 | 57 | 14 | 34 | 28 | 31 | 21 | 37 | 6 | 43 | 9 | 23 | |
| 26 | 14 | 27 | 1 | ♉ 55 | 4 | 48 | 22 | 0 | 14 | 45 | 29 | 9 | 22 | 47 | 7 | 2 | 9 | 20 | |
| ☉ | 15 | 24 | 14 | 24 | | 15 | 22 | 3 | 14 | 55 | 29 | 48 | 23 | 56 | 7 | 19 | 9 | 17 | |
| 28 | 16 | 21 | 25 | 54 | 3 | 32 | 22 | 5 | 15 | 5 | 0 | ☌ 26 | 25 | 6 | 7 | 32 | 9 | 14 | |
| 29 | 17 | 18 | 7 | ♊ 47 | 2 | 39 | 22 | 8 | 15 | 15 | 1 | 4 | 26 | 15 | 7 | 41 | 9 | 10 | |
| 30 | 18 | 16 | 19 | 42 | 1 | 39 | 22 | 11 | 15 | 25 | 1 | 43 | 27 | 25 | 7 | 42 | 9 | 7 | |

### The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 22 | 1 | 4 | 1 | 4 | 1 | 51 | 1 | 57 | 1 |
| 2 | 23 | 1 | 4 | 1 | 4 | 1 | 53 | 1 | 38 | 6 |
| 2 | 24 | 1 | 5 | 1 | 5 | 1 | 52 | 1 | 2 | 11 |
| 2 | 25 | 1 | 6 | 1 | 6 | 1 | 50 | 0 | 12 | 16 |
| 2 | 26 | 1 | 6 | 1 | 6 | 1 | 46 | 0 | 50 | 21 |
| 2 | 27 | 1 | 7 | 1 | 7 | 1 | 39 | 2 | 0 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | e | Pamph. | | | | | | | * Aldebaran | 12 |
| 2 | | Marcel. | 23 ♂ 41 | 19 ✶ 17 | | | | | ☌ ☽, at 13 ho. 26′ | 13 |
| 3 | g | Eraſm. | | | | | | | ☌ ☌ ☿ | 14 |
| 4 | a | Petroc. | | | 12 ✶ 7 | 22 ♂ 6 | | | | 15 |
| 5 | b | Bonif. | | 8 □ 13 | | | | 1 ♂ 14 | * Proycon ☌ ☽, at | 16 |
| 6 | ♌ | 2 *p. Tri.* | | | | | 1 ♂ 54 | | 10 ho. 20′ | 17 |
| 7 | d | Paulus | | 19 △ 50 | 1 □ 0 | | | | □ ♄ ☿ | 18 |
| 8 | e | Medar. | 8 ✶ 52 | | | | | | | 19 |
| 9 | f | Barnim. | | | 11 △ 36 | | | | * N Aſſellus | 20 |
| 10 | g | Getul. | | | | 1 ✶ 13 | | 11 ✶ 15 | ☌ ♀, at 9 ho. 36′ | 21 |
| 11 | a | *S. Barn.* | 2 □ 25 | | | | 7 ✶ 28 | | | 22 |
| 12 | b | Baſiliſt. | | 10 8 46 | | 9 □ 28 | | | □ ♄ ♂ | 23 |
| 13 | ♌ | 3 *p. Tri.* | 3 △ 56 | | 22 8 50 | | 15 □ 55 | 21 □ 22 | | 24 |
| 14 | d | Valeri. | | | | 13 △ 51 | | | * Proycon ☌ ♂, | 25 |
| 15 | e | Vit. &c. | | | | | 20 △ 41 | 2 △ 23 | at 9 ho. 28′ | 26 |
| 16 | f | Rowl. | | 13 △ 31 | | | | | □ ♃ ♀ | 27 |
| 17 | g | Botolp. | 13 8 14 | | | | | | ☽ Eclipſed viſible | 28 |
| 18 | a | Ma. &c. | | 13 □ 25 | 0 △ 10 | 17 8 57 | | | | 29 |
| 19 | b | Gervaſe | | | | | | 8 8 22 | * Precepe ☌ ☿ | 30 |
| 20 | ♌ | 4 *p. Tri.* | | 14 ✶ 51 | 1 □ 22 | | 5 8 22 | | at 3 ho. 44′ | 1 |
| 21 | d | Walb. | 23 △ 20 | | | | | | * Fomahant. | *Jul.* |
| 22 | e | Alban | | | 5 ✶ 37 | | | | ☌ ☽, at | |
| 23 | f | Baſilius. | | | | 5 △ 46 | | 22 △ 14 | 4 ho. 17′ | |
| 24 | g | *S. J. Ba.* | 11 □ 10 | | | | | | | |
| 25 | a | Amand. | | 4 ☌ 31 | | 18 □ 20 | 4 △ 15 | | △ ♄ ♀ | 6 |
| 26 | b | Jerem. | | | 1 ☌ 46 | | | 10 □ 22 | | 7 |
| 27 | ♌ | 5 *p. Tri.* | 3 ✶ 0 | | | | 22 □ 16 | | ✶ ♃ ☉ | 8 |
| 28 | d | Leo Pa. | | | | 9 ✶ 8 | | 23 ✶ 43 | | 9 |
| 29 | e | *S. P. & Pa* | | | | | | | 28 day, Cor ♌ | 10 |
| 30 | f | Lucina. | | 3 ✶ 3 | | | 17 ✶ 12 | | ☌ ♀, at 13 ho. 12′ | 11 |

| | ☽ | ♄ | ♈ | ♃ | ♑ | ♂ | ♋ | ☉ | ♐ | ♀ | ♍ | ☿ | ♍ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 14 | 56 | 2 | 20 | 26 | 54 | 20 | 38 | 13 | 29 | 20 | ♍ 23 | 1 □ ☉ ♀. 3 ✶ ♂ ☿ |
| | 6 | 15 | 6 | 2 | 47 | 29 | 11 | 25 | 24 | 21 | 33 | 9 | ♎ 36 | 8 8 ♄ ☿. 11 □ ☉ ♀ |
| | 11 | 15 | 17 | 3 | 15 | 1 | ♌ 27 | 0 | ♉ 10 | 29 | 37 | 26 | 36 | 13 □ ♂ ☿. 13 8 ♃ ☿ |
| | 16 | 15 | 27 | 3 | 42 | 3 | 42 | 4 | 56 | 7 | ♎ 41 | 12 | ♏ 2 | 13 ✶ ☉ ☿ 14 □ ♂ ☉ |
| | 21 | 15 | 38 | 4 | 10 | 5 | 56 | 9 | 41 | 15 | 44 | 26 | 21 | 15 △ ♃ ☉. 16 ✶ ♃ ♂ |
| | 26 | 15 | 48 | 4 | 37 | 8 | 10 | 14 | 27 | 23 | 46 | 10 | ♐ 11 | 20 8 ♄ ☿. 25 △ ♂ ☿ |

JU-

## The Diurnal Motion of the Planets.

| Days | ☉ | ☌ | ☽ | ☌ | Lat. | ☽ | ♄ | ♈ | ♃ | ♉ | ♂ | ♌ | ♀ | ♌ | ☿ | ♌ | ♑ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 13 | 1 | ♋38 | 0 | 37 | 22 | 13 | 15 | 35 | 2 | 21 | 28 | 34 | 7 | ♑R | 30 | 9 | 4 |
| 2 | 20 | 10 | 13 | 34 | 0 | N 24 | 22 | 15 | 15 | 44 | 2 | 59 | 29 | 43 | 7 | 26 | 9 | 1 |
| 3 | 21 | 7 | 25 | 34 | 1 | 26 | 22 | 17 | 15 | 54 | 3 | 37 | 0 | ♍52 | 7 | 14 | 8 | 58 |
| ☉ | 22 | 4 | 7 | ♌47 | 2 | 27 | 22 | 19 | 16 | 3 | 4 | 16 | 2 | 0 | 6 | 55 | 8 | 55 |
| 5 | 23 | 1 | 20 | 8 | 3 | 21 | 22 | 21 | 16 | 13 | 4 | 54 | 3 | 9 | 6 | 41 | 8 | 52 |
| 6 | 23 | 59 | 2 | ♍39 | 4 | 8 | 22 | 22 | 16 | 22 | 5 | 32 | 4 | 18 | 6 | 20 | 8 | 49 |
| 7 | 24 | 56 | 15 | 24 | 4 | 46 | 22 | 24 | 16 | 31 | 6 | 10 | 5 | 27 | 5 | 54 | 8 | 45 |
| 8 | 25 | 52 | 28 | 18 | 5 | 5 | 22 | 26 | 16 | 40 | 6 | 48 | 6 | 36 | 5 | 22 | 8 | 42 |
| 9 | 26 | 51 | 11 | ♎27 | 5 | 12 | 22 | 28 | 16 | 49 | 7 | 27 | 7 | 44 | 4 | 45 | 8 | 39 |
| 10 | 27 | 48 | 24 | 55 | 5 | 2 | 22 | 30 | 16 | 58 | 8 | 5 | 8 | 53 | 4 | 4 | 8 | 36 |
| ☉ | 28 | 45 | 8 | ♏35 | 4 | 29 | 22 | 32 | 17 | 7 | 8 | 43 | 10 | 1 | 3 | 18 | 8 | 33 |
| 12 | 29 | 42 | 22 | 50 | 3 | 44 | 22 | 33 | 17 | 16 | 9 | 21 | 11 | 10 | 2 | 24 | 8 | 30 |
| 13 | 0 | ♌40 | 7 | ♐16 | 2 | 40 | 22 | 34 | 17 | 24 | 9 | 59 | 12 | 18 | 1 | 41 | 8 | 27 |
| 14 | 1 | 37 | 21 | 57 | 1 | 26 | 22 | 35 | 17 | 33 | 10 | 37 | 13 | 26 | 0 | 59 | 8 | 23 |
| 15 | 2 | 34 | 6 | ♑47 | 0 | 8 | 22 | 36 | 17 | 41 | 11 | 15 | 14 | 35 | 0 | 18 | 8 | 20 |
| 16 | 3 | 32 | 21 | 37 | 1 | S 8 | 22 | 37 | 17 | 49 | 11 | 54 | 15 | 43 | 29 | ♋39 | 8 | 17 |
| 17 | 4 | 29 | 6 | ♒26 | 2 | 21 | 22 | 38 | 17 | 57 | 12 | 32 | 16 | 51 | 29 | 3 | 8 | 14 |
| ☾ | 5 | 27 | 21 | 33 | 2 | 26 | 22 | 39 | 18 | 5 | 13 | 10 | 17 | 59 | 28 | 31 | 8 | 11 |
| 19 | 6 | 24 | 5 | ♓20 | 4 | 17 | 22 | 40 | 18 | 12 | 13 | 48 | 19 | 6 | 28 | 3 | 8 | 8 |
| 20 | 7 | 22 | 19 | 13 | 4 | 52 | 22 | 40 | 18 | 20 | 14 | 26 | 20 | 14 | 27 | 38 | 8 | 5 |
| 21 | 8 | 20 | 2 | ♈26 | 5 | 7 | 22 | 41 | 18 | 27 | 15 | 4 | 21 | 21 | 27 | 16 | 8 | 1 |
| 22 | 9 | 17 | 15 | 33 | 5 | 9 | 22 | 41 | 18 | 34 | 15 | 42 | 22 | 29 | 27 | 37 | 7 | 58 |
| 23 | 10 | 14 | 28 | 8 | 4 | 53 | 22 | 41 | 18 | 41 | 16 | 21 | 23 | 37 | 26 | 55 | 7 | 55 |
| 24 | 11 | 11 | 10 | ♉24 | 4 | 27 | 22 | 41 | 18 | 47 | 16 | 59 | 24 | 45 | 26 | 54 | 7 | 52 |
| ☉ | 12 | 9 | 22 | 26 | 3 | 45 | 22 | 42 | 18 | 54 | 17 | 37 | 25 | 52 | 26 | D 56 | 7 | 49 |
| 26 | 13 | 6 | 4 | ♊18 | 2 | 51 | 22 | 42 | 19 | 0 | 18 | 15 | 27 | 0 | 27 | 0 | 7 | 46 |
| 27 | 14 | 4 | 16 | 6 | 1 | 51 | 22 | R 42 | 19 | 6 | 18 | 53 | 28 | 6 | 27 | 12 | 7 | 43 |
| 28 | 15 | 1 | 27 | 57 | 0 | 50 | 22 | 42 | 19 | 12 | 19 | 31 | 29 | 12 | 27 | 31 | 7 | 40 |
| 29 | 15 | 59 | 9 | ♋52 | 0 | N 12 | 22 | 42 | 19 | 18 | 20 | 10 | 0 | ♎18 | 27 | 58 | 7 | 36 |
| 30 | 16 | 56 | 21 | 55 | 1 | 14 | 22 | 41 | 19 | 23 | 20 | 48 | 1 | 24 | 28 | 35 | 7 | 33 |
| 31 | 17 | 5. | 4 | ♌12 | 2 | 15 | 22 | 41 | 19 | 29 | 21 | 26 | 2 | 30 | 29 | 24 | 7 | 30 |

## The Latitude of the Planets.

| ☿ | S | ♃ | S | ♂ | N | ♀ | N | ♀ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 29 | 1 | 8 | 1 | 10 | 1 | 29 | 3 | 11 | 1 |
| 2 | 30 | 1 | 8 | 1 | 10 | 1 | 40 | 4 | 16 | 6 |
| 2 | 32 | 1 | 9 | 1 | 10 | 1 | 54 | 4 | 49 | 11 |
| 2 | 33 | 1 | 10 | 1 | 10 | 0 | 50 | 4 | 45 | 16 |
| 2 | 35 | 1 | 10 | 1 | 9 | 0 | 29 | 3 | 59 | 21 |
| 2 | 36 | 1 | 11 | 1 | 9 | 0 | 42 | 4 | 48 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien | ♂ Occid. | ☿ Occid. | ♀ Occid. | Planets mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 12 |
| 1 | g | Tr. Sir. | | | | | | | ☉ Eclipſed invi: b. | 13 |
| 2 | a | Viſ. Ma. | 14♂20 | 17□25 | 4 ✶23 | 16♂42 | | 22♂ 0 | | 14 |
| 3 | b | Cornel. | | | 15□19 | | | | □♄☉ | 15 |
| 4 | c | 6 p. Tri: | | | | | | | | |
| 5 | d | Anſelm. | | 4 △15 | | | 3 ♂25 | | ♂♂☿ | 16 |
| 6 | e | Tranqu. | | | | | | | 3 day, S. Aſſellus | 17 |
| 7 | f | Becket | 19✶ 7 | | 2 △ 6 | 16✶20 | | 12✶20 | ♂♂, at 12 ho. 00′ | 18 |
| 8 | g | Grimb. | | | | | | | | 19 |
| | | | | | | | | | * Virg. Spic. | |
| 9 | a | Cyriac. | | 19 8 41 | | | | 15□14 | ♂☽, at | 20 |
| 10 | b | 7 Frat. | 5 □24 | | | | | | 14 ho. 44′ | 21 |
| 11 | c | 7 p. Tri. | | | 14 8 32 | o □1( | 2 ✶38 | | | 22 |
| 12 | d | Nobour | 12△11 | | | | | 15△10 | | 23 |
| | | | | | | | | | ♂☉☿ | |
| 13 | e | Henric. | | | | 4 △4 | 3 □55 | Orien. | 13 Day, Head of | 24 |
| 14 | f | Bonav. | | 1 △ 1 | | | | | Hercules ♂☽, | 25 |
| 15 | g | Swith. | | | 17△44 | | 12△40 | | at 7 ho. 41′ | 26 |
| 16 | a | Kenelm | 20 8 56 | 1 □37 | | | | 12 8 33 | | 27 |
| | | | | | | | | | | 28 |
| 17 | b | Hilar. | | | 19□ 4 | 10 8 29 | | | △♃☿ | 29 |
| 18 | c | 8 p. Tri. | | 2 ✶ o | | | | | Scheat | 30 |
| 19 | d | Matern. | | | 22✶22 | | | | 25° 15′ 00″ ♓ | 31 |
| 20 | e | Margar. | | | | | 2 8 o | 14△53 | | |
| | | | | | | | | | * H. Andromeda | 1 |
| 21 | f | Prax. | 11△38 | | | o △1[illegible] | | 21□40 | ♂☽, at 14 ho. 13′ | Aug. |
| 22 | g | M. Mag. | | 13♂37 | | | | | * Schedir ♂☽, at | |
| 23 | a | Apoll. | 22□26 | | | | | | 11 ho. 00′ | |
| 24 | b | Chriſti. | | | 16♂51 | 12□52 | | | | |
| | | | | | | | 7 △42 | 9 ✶ 9 | | 5 |
| 25 | c | S James | | | | | | | ✶☿☿ | 6 |
| 26 | d | Anna | 19✶35 | | | 6 ✶ 2 | | | □♃♂ | 7 |
| 27 | e | Marth. | | 13✶21 | | | | | | 8 |
| 28 | f | Panthal | | | | | 2 □46 | | | |
| | | | | | | | | | * Sirius ♂☽, at | 9 |
| 29 | g | Fælix. | | | 18✶55 | | | 12♂56 | o ho. 20′ | 10 |
| 30 | a | Beatr. | | 1 □32 | | | 20✶27 | | | 11 |
| 31 | b | Germ. | | | | | | | | |

| | D | ♄ | ♈ | ♃ | ♂ | ♂ | ♌ | ☉ | ♍ | ☿ | ♎ | ☽ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 15 | 59 | 5 | 4 | 10 | 23 | 19 | 13 | 1 | 47 | 23♐53 | | 3☿♃☿. 7✶♈☽ |
| Heliocentrick places of the Planets. | 6 | 16 | 9 | 5 | 31 | 12 | 36 | 23 | 59 | 9 | 47 | 7♍57 | | 8□♂☿. 5△♃☽ |
| | 11 | 16 | 20 | 5 | 58 | 14 | 48 | 28 | 45 | 17 | 46 | 22 | 52′ | 9□♄☿. 15△♄♂ |
| | 16 | 16 | 30 | 6 | 25 | 17 | o | 3♎ | 32 | 25 | 45 | 9♎ | 9 | 15□♃☿. 16✶♄☿ |
| | 21 | 16 | 41 | 6 | 53 | 19 | 11 | 8 | 20 | 3♐ | 43 | 27 | 19 | 18 8♂☽. 19□♃☉ |
| | 26 | 16 | 42 | 7 | 20 | 21 | 22 | 13 | 6 | 11 | 40 | 18♑ | 15 | 29✶♄☉. 30△♄☿ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☋ | ☽ | ☊ | Lat. | ☽ | ♄ | ♆ | ♃ | ♂ | ♀ | ☿ | ☿ | ☋ | ♓ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | |
| ☉ | 18 | 52 | 16 | 37 | 3 N | 9 | 22 | 41 | 19 | 34 | 22 | 4 | 3 | 36 | 0 | 28 | 7 | 26 |
| 2 | 19 | 49 | 29 | 17 | 3 | 55 | 22 | 40 | 19 | 39 | 22 | 42 | 4 | 41 | 1 | 34 | 7 | 23 |
| 3 | 20 | 47 | 12 | ♍ 8 | 4 | 35 | 22 | 40 | 19 | 44 | 23 | 21 | 5 | 45 | 2 | 42 | 7 | 20 |
| 4 | 21 | 45 | 25 | 13 | 4 | 58 | 22 | 39 | 19 | 48 | 23 | 59 | 6 | 49 | 3 | 51 | 7 | 17 |
| 5 | 22 | 43 | 8 | ♎ 27 | 5 | 8 | 22 | 38 | 19 | 53 | 24 | 37 | 7 | 52 | 5 | 1 | 7 | 13 |
| 6 | 23 | 41 | 21 | 53 | 5 | 0 | 22 | 37 | 19 | 57 | 25 | 15 | 8 | 56 | 6 | 13 | 7 | 9 |
| 7 | 24 | 39 | 5 | ♏ 29 | 4 | 35 | 22 | 35 | 20 | 2 | 25 | 53 | 9 | 59 | 7 | 32 | 7 | 6 |
| ☉ | 25 | 36 | 19 | 19 | 3 | 52 | 22 | 33 | 20 | 6 | 26 | 31 | 11 | 2 | 8 | 59 | 7 | 3 |
| 9 | 26 | 34 | 3 | ♐ 22 | 2 | 55 | 22 | 31 | 20 | 11 | 27 | 10 | 12 | 4 | 10 | 36 | 7 | 0 |
| 10 | 27 | 32 | 17 | 31 | 1 | 42 | 22 | 29 | 20 | 15 | 27 | 48 | 13 | 6 | 12 | 21 | 6 | 57 |
| 11 | 28 | 30 | 1 | ♑ 49 | 0 | 27 | 22 | 27 | 20 | 19 | 28 | 26 | 14 | 8 | 14 | 12 | 6 | 54 |
| 12 | 29 | 28 | 16 | 18 | 0 S | 49 | 22 | 25 | 20 | 23 | 29 | 4 | 15 | 10 | 16 | 4 | 6 | 51 |
| 13 | 0 | ♍ 26 | 0 | ♒ 52 | 2 | 2 | 22 | 23 | 20 | 26 | 29 | 42 | 16 | 12 | 17 | 56 | 6 | 48 |
| 14 | 1 | 24 | 15 | 20 | 3 | 7 | 22 | 21 | 20 | 30 | 0 | ♍ 21 | 17 | 14 | 19 | 47 | 6 | 45 |
| ☉ | 2 | 22 | 29 | 36 | 3 | 59 | 22 | 18 | 20 | 33 | 0 | 59 | 18 | 15 | 21 | 38 | 6 | 41 |
| 16 | 3 | 20 | 13 | ♓ 35 | 4 | 37 | 22 | 16 | 20 | 36 | 1 | 37 | 19 | 17 | 23 | 30 | 6 | 38 |
| 17 | 4 | 18 | 27 | 14 | 5 | 0 | 22 | 14 | 20 | 39 | 2 | 15 | 20 | 18 | 25 | 23 | 6 | 35 |
| 18 | 5 | 16 | 10 | ♈ 38 | 5 | 6 | 22 | 11 | 20 | 42 | 2 | 53 | 21 | 20 | 27 | 18 | 6 | 32 |
| 19 | 6 | 14 | 23 | 39 | 4 | 53 | 22 | 9 | 20 | 44 | 3 | 31 | 22 | 21 | 29 | 15 | 6 | 29 |
| 20 | 7 | 12 | 6 | ♉ 26 | 4 | 29 | 22 | 7 | 20 | 46 | 4 | 10 | 23 | 23 | 1 | ♍ 13 | 6 | 26 |
| 21 | 8 | 10 | 18 | 31 | 3 | 51 | 22 | 4 | 20 | 48 | 4 | 48 | 24 | 24 | 3 | 12 | 6 | 22 |
| ☉ | 9 | 8 | 0 | ♊ 26 | 3 | 4 | 22 | 1 | 20 | 49 | 5 | 26 | 25 | 24 | 5 | 10 | 6 | 19 |
| 23 | 10 | 7 | 12 | 21 | 2 | 8 | 21 | 58 | 20 | 50 | 6 | 5 | 26 | 24 | 7 | 6 | 6 | 16 |
| 24 | 11 | 5 | 24 | 11 | 1 | 5 | 21 | 56 | 20 | 51 | 6 | 43 | 27 | 23 | 9 | 1 | 6 | 13 |
| 25 | 12 | 4 | 6 | ♋ 5 | 0 N | 1 | 21 | 55 | 20 | 52 | 7 | 21 | 28 | 22 | 10 | 54 | 6 | 10 |
| 26 | 13 | 2 | 18 | 1 | 1 | 4 | 21 | 50 | 20 | 53 | 7 | 59 | 29 | 21 | 16 | 46 | 6 | 7 |
| 27 | 14 | 0 | 0 | ♌ 1 | 2 | 5 | 21 | 47 | 20 | 54 | 8 | 38 | 0 | ♍ 19 | 14 | 38 | 6 | 4 |
| 28 | 14 | 59 | 12 | 24 | 3 | 1 | 21 | 44 | 20 | 54 | 9 | 16 | 1 | 17 | 16 | 29 | 6 | 1 |
| ☉ | 15 | 57 | 25 | 2 | 3 | 49 | 21 | 40 | 20 | 55 | 9 | 54 | 2 | 15 | 18 | 19 | 5 | 57 |
| 30 | 16 | 56 | 7 | ♍ 46 | 4 | 26 | 21 | 37 | 20 | ℞ 55 | 10 | 32 | 3 | 12 | 20 | 9 | 5 | 54 |
| 31 | 17 | 54 | 20 | 56 | 4 | 50 | 21 | 34 | 20 | 55 | 11 | 11 | 4 | 9 | 21 | 58 | 5 | 51 |

## The Latitude of the Planets

| ♄ | S | ♅ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 38 | 1 | 12 | 1 | 9 | 0 | 20 | 1 | 9 | 1 |
| 2 | 39 | 1 | 13 | 1 | 8 | 0 | 44 | 0 | N 5 | 6 |
| 2 | 41 | 1 | 13 | 1 | 8 | 1 | 11 | 1 | 2 | 11 |
| 2 | 43 | 1 | 14 | 1 | 7 | 1 | 38 | 1 | 34 | 16 |
| 2 | 44 | 1 | 15 | 1 | 6 | 2 | 8 | 1 | 45 | 21 |
| 2 | 45 | 1 | 16 | 1 | 5 | 2 | 36 | 1 | 39 | 26 |

AU-

## The Lunar Aſpects.

| Jul. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Orien. | Planets Mutual Aſpects. | Rad. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♋ | 10 p.Tr. | 4 ☌ 17 | 11 △ 30 | 5 □ 37 | 10 ☌ 52 | | | Lammas Day | 12 |
| 2 | d | Moſes | | | | | | | ☐ ♃ ☉. △ ♄ ♂ | 13 |
| 3 | e | Ariſtar. | | | 14 △ 0 | | | | | 14 |
| 4 | f | Domin. | | | | | 22 ☌ 50 | 17 ✶ 11 | | 15 |
| 5 | g | Feſt. Ni. | | | | | | | 6 day, Cor ☌ | 16 |
| 6 | a | Magnus | 3 ✶ 23 | 1 ☍ 8 16 | | 6 ✶ 14 | | | ☌ ♂, at 18 ho. 19′ | 17 |
| 7 | b | Cyriac. | | | | | | 3 □ 58 | * So. Ballance | 18 |
| 8 | ♌ | 11 p. Tr. | 11 □ 31 | | 1 ☍ 8 13 | 12 □ 54 | | | ☌ ☽, at 9 ho. 30′ | 19 |
| 9 | d | Theod, | | | | | 15 ✶ 56 | 14 △ 0 | | 20 |
| 10 | e | Laurent | 18 △ 2 | 8 △ 18 | | 18 △ 3 | | | ✶ ☿ ♃ | 21 |
| 11 | f | Tiburt. | | | | | 22 □ 0 | | ☌ ☉ ♂ | 22 |
| 12 | g | Clare V. | | 10 □ 5 | 6 △ 57 | Orien. | | | | 23 |
| 13 | a | Amatus | | | | | | | | 24 |
| 14 | b | Euſeb. | | 11 ✶ 45 | 8 □ 50 | | 3 △ 21 | 8 ☍ 16 | ☐ ♃ ☿ | 25 |
| 15 | ♌ | 12 p.Tr. | 5 ☍ 7 | | | 2 ☍ 30 | | | △ ♄ ♀ | 26 |
| 16 | d | Rochus | | | 12 ✶ 14 | | | | Arct. ☌ ☌, 19h. 17′ | 27 |
| 17 | e | Agapit. | | | | | | | | 28 |
| 18 | f | Helena | | 21 ☌ 12 | | | 21 ☍ 24 | | ☍ ♄ ♀ | 29 |
| 19 | g | Mag. Ma | | | | 19 △ 31 | | 12 △ 24 | Gir. Andromeda | 30 |
| 20 | a | Fauſta | 1 △ 40 | | | | | | ☌ ☽, at 4 ho. 56′ | 31 |
| 21 | b | Privat. | | | 4 ☌ 35 | | | | | 1 |
| 22 | ♌ | 13 p.Tr. | 19 □ 6 | | | 10 □ 39 | | 11 □ 22 | ☌ ☌ ♀ | Sept. |
| 23 | d | Zache. | | 19 ✶ 26 | | | | | Mid. * Ori. Belt | |
| 24 | e | S. Bart. | | | | | 7 △ 1 | | ☌ ☽, at 13 ho. 16′ | |
| 25 | f | Ludov. | 13 ✶ 5 | | | 2 ✶ 41 | | 11 ✶ 37 | | 5 |
| 26 | g | Severin | | 7 □ 39 | 5 ✶ 44 | | | | ☌ ☉ ☿ | 6 |
| 27 | a | Co. & D. | | | | | 0 □ 35 | Occid. | * So Aſſellus | 7 |
| 28 | b | Auguſt. | | 17 △ 49 | 16 □ 9 | | | | ☌ ☽, at 8 ho. 50′ | 8 |
| 29 | ♌ | 13. p Tr. | | | | | 14 ✶ 40 | | 28 day, Tail ☌ | 9 |
| 30 | d | Fœlix | 18 ☌ 2 | | | 5 ☌ 18 | | | ☌ ♀, at | 10 |
| 31 | e | Paulin. | | | 0 △ ♍ c | | | 2 ☌ 7 | 13 ho. 18′ | 11 |

| | D | ♄ | ♈ | ♃ | ♉ | ♂ | ☌ | ☉ | ♒ | ♀ | ♐ | ☿ | ♈ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 17 | 4 | 7 | 52 | 24 | 1 | 18 | 52 | 21 | 13 | 18 | ♈ 16 | 1 △ ♀ ☿. △ ♂ ♀ 2 |
| | 6 | 17 | 14 | 8 | 19 | 26 | 12 | 23 | 41 | 29 | 9 | 17 | ♉ 31 | 4 ☌ ♃ ♀. 10 ✶ ♄ ☿ |
| | 11 | 17 | 25 | 8 | 46 | 28 | 23 | 28 | 30 | 7 | ♌ 4 | 19 | 16 | 11 ☍ ♂ ☉. 13 △ ♃ ♀ |
| | 16 | 17 | 35 | 9 | 13 | 0 | ♑ 34 | 3 | ♓ 20 | 15 | 0 | 20 | ♋ 22 | 14 ✶ ♃ ☿. 15 □ ♄ ☿ |
| | 21 | 17 | 46 | 9 | 41 | 2 | 45 | 8 | 10 | 22 | 55 | 18 | ♌ 12 | 18 □ ♄ ☿. 19 □ ♃ ☿ |
| | 26 | 17 | 57 | 10 | 8 | 4 | 56 | 13 | 2 | 0 | ♒ 40 | 12 | ♑ 1 | 20 △ ♄ ☿. 23 ✶ ♃ ☉ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♅ | ♂ | ♀ | ☿ | ♃ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ♍ ° ′ | ♎ ° ′ | ° ′ | ♈ ° ′ | ♉ ° ′ | ♊ ° ′ | ♍ ° ′ | ♍ ° ′ | ♎ ° ′ | ♍ ° ′ | ♋ ° ′ |
| 1 | 18 52 | 4 ♎ 30 | 5 N 3 | 21 30 | 20 55 | 11 49 | 5 6 | 23 45 | 5 48 | | |
| 2 | 19 51 | 18 10 | 4 58 | 21 27 | 20 54 | 12 27 | 6 2 | 25 32 | 5 45 | | |
| 3 | 20 49 | 1 ♏ 54 | 4 37 | 21 23 | 20 54 | 13 6 | 6 57 | 27 17 | 5 42 | | |
| 4 | 21 48 | 15 48 | 3 58 | 21 19 | 20 53 | 13 44 | 7 52 | 29 2 | 5 39 | | |
| ☉ | 22 47 | 29 56 | 3 2 | 21 15 | 20 52 | 14 22 | 8 45 | 0 ♎ 46 | 5 35 | | |
| 6 | 23 45 | 13 ♐ 55 | 1 58 | 21 11 | 20 51 | 15 1 | 9 39 | 2 29 | 5 32 | | |
| 7 | 24 44 | 28 4 | 0 44 | 21 7 | 20 49 | 15 39 | 10 31 | 4 11 | 5 29 | | |
| 8 | 25 43 | 12 ♑ 9 | ☽ S 37 | 21 3 | 20 48 | 16 17 | 11 23 | 5 52 | 5 26 | | |
| 9 | 26 41 | 26 11 | 1 50 | 20 59 | 20 46 | 16 56 | 12 13 | 7 32 | 5 23 | | |
| 10 | 27 40 | 10 ♒ 23 | 2 57 | 20 54 | 20 44 | 17 34 | 13 3 | 9 11 | 5 20 | | |
| 11 | 28 39 | 24 26 | 3 50 | 20 50 | 20 42 | 18 13 | 13 52 | 10 48 | 5 16 | | |
| ☉ | 29 38 | 8 ♓ 20 | 4 31 | 20 46 | 20 39 | 18 51 | 14 41 | 12 25 | 5 13 | | |
| 13 | 0 ♎ 37 | 22 5 | 4 52 | 20 41 | 20 36 | 19 30 | 15 29 | 14 1 | 5 10 | | |
| 14 | 1 36 | 5 ♈ 36 | 5 0 | 20 37 | 20 33 | 20 8 | 16 17 | 15 37 | 5 7 | | |
| 15 | 2 35 | 18 48 | 4 55 | 20 33 | 20 29 | 20 47 | 17 3 | 17 12 | 5 4 | | |
| 16 | 3 34 | 1 ♉ 41 | 4 33 | 20 28 | 20 26 | 21 25 | 17 49 | 18 46 | 5 0 | | |
| 17 | 4 33 | 14 13 | 3 58 | 20 24 | 20 23 | 22 4 | 18 34 | 20 20 | 4 57 | | |
| 18 | 5 32 | 26 39 | 3 10 | 20 20 | 20 19 | 22 42 | 19 17 | 21 52 | 4 54 | | |
| ☉ | 6 31 | 8 ♊ 54 | 2 15 | 20 15 | 20 16 | 23 21 | 20 0 | 23 23 | 4 51 | | |
| 20 | 7 30 | 20 23 | 1 15 | 20 11 | 20 12 | 23 59 | 20 42 | 24 53 | 4 47 | | |
| 21 | 8 29 | 2 ♋ 10 | 0 14 | 20 6 | 20 8 | 24 38 | 21 22 | 26 22 | 4 44 | | |
| 22 | 9 29 | 13 58 | 0 N 48 | 20 6 | 20 3 | 25 16 | 22 1 | 27 51 | 4 41 | | |
| 23 | 10 28 | 25 52 | 1 50 | 19 57 | 19 59 | 25 55 | 22 40 | 29 19 | 4 38 | | |
| 24 | 11 27 | 7 ♌ 56 | 2 47 | 19 52 | 19 54 | 26 33 | 23 17 | 0 ♏ 45 | 4 35 | | |
| 25 | 12 26 | 20 19 | 3 40 | 19 48 | 19 49 | 27 13 | 23 53 | 2 10 | 4 32 | | |
| ☉ | 13 26 | 2 ♍ 59 | 4 23 | 19 43 | 19 44 | 27 51 | 24 28 | 3 34 | 4 29 | | |
| 27 | 14 25 | 16 24 | 4 48 | 19 38 | 19 38 | 28 30 | 25 1 | 4 57 | 4 26 | | |
| 28 | 15 25 | 29 28 | 4 59 | 19 33 | 19 33 | 29 8 | 25 34 | 6 19 | 4 22 | | |
| 29 | 16 24 | 13 ♎ 15 | 4 57 | 19 28 | 19 27 | 29 47 | 26 5 | 7 39 | 4 19 | | |
| 30 | 17 24 | 27 18 | 4 36 | 19 23 | 19 22 | 0 ♎ 26 | 26 34 | 8 58 | 4 16 | | |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 46 | 1 | 17 | 1 | 4 | 3 | 15 | 1 | 15 | 1 |
| 2 | 46 | 1 | 17 | 1 | 4 | 3 | 47 | 0 | 47 | 6 |
| 2 | 47 | 1 | 18 | 1 | 3 | 4 | 18 | 0 | 14 | 11 |
| 2 | 47 | 1 | 19 | 1 | 3 | 4 | 37 | 0 S | 21 | 16 |
| 2 | 47 | 1 | 20 | 1 | 2 | 4 | 57 | 0 | 55 | 21 |
| 2 | 48 | 1 | 20 | 1 | 1 | 5 | 23 | 1 | 30 | 26 |

SEP-

## The Lunar Aſpects.

| Jul. A. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets Mutual Aſpects. | Rom. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Ægid. | | | | | | | Tail of ☋ | 12 |
| 2 | g | Anth. | | 5 ☌ 45 | | | | | 17° 29′ 6″ ♍ | 13 |
| 3 | a | Theod. | | | | 20 ✶ 16 | 9 ☌ 20 | | △ ☉ ♃ | 14 |
| 4 | b | Tr.Cut. | 11 ✶ 0 | | 8 ☌ 38 | | | | | 15 |
| 5 | c | 15 p.Tr. | | | | | | 1 ✶ 4 | 4 day Lu. Coron. | 16 |
| 6 | d | Magnus | 17 □ 52 | 12 △ 18 | | 1 □ 58 | | | ☌ ♀, at 5 ho. 53′ | 17 |
| 7 | e | Regina | | | | | 22 ✶ 38 | 11 □ 51 | * So. Ballance | 18 |
| 8 | f | Na.V.M | 23 △ 0 | 15 □ 5 | 14 △ 45 | 7 △ 25 | | | ☌ ♀, at 12 ho. 28′ | 19 |
| 9 | g | Gorgon | | | | | | 21 △ 41 | * Tail ☋ ☌ ☌, | 20 |
| 10 | a | Hilar.P | | 16 ✶ 12 | 17 □ 37 | | 4 □ 50 | | at 21 ho. 30′ | 21 |
| 11 | b | Fælix | | | | | | | * Fomahant | 22 |
| 12 | c | 16 p.Tr. | | | 21 ✶ 21 | 19 ☌ 37 | 11 △ 45 | | ☌ ☽, at 9 ho. 00′ | 23 |
| 13 | d | Amatus | 16 ☌ 20 | | | | | | | 24 |
| 14 | e | E. Cru. | | | | | | 20 ☌ 40 | △ ♃ ☌ | 25 |
| 15 | f | Nicode. | | 3 ☌ 15 | | | | | 12 day N. Ballance | 26 |
| 16 | g | Edith | | | | | | | ☌ ♀, at 17 ho. 00′ | 27 |
| 17 | a | Lamp. | | | 11 ☌ 51 | 15 △ 58 | 8 ☌ 54 | | ☌ ♄ ♀ | 28 |
| 18 | b | Fereal. | 18 △ 58 | | | | | | | 29 |
| 19 | c | 17 p.Tr. | | 23 ✶ 36 | | | | | ☌ ♃ ♀ | 30 |
| 20 | d | Fausta | | | | 7 □ 45 | | 10 △ 29 | | 1 |
| 21 | e | S. Mat. | 14 □ 2 | | | | | | * Sirius ☌ ☽ | Sept. |
| 22 | f | Maur. | | 12 □ 10 | 12 ✶ 12 | | 17 △ 10 | | at 16 ho. 00′ | |
| 23 | g | Tecl. V. | | | | 0 ✶ 6 | | 7 □ 48 | 22 day Pollux | |
| 24 | a | Rupert. | 7 ✶ 24 | 22 △ 58 | 23 □ 0 | | | | ☌ ☽, at 10 ho. 30′ | |
| 25 | b | Cleoph. | | | | | 7 □ 8 | | | 6 |
| 26 | c | 18 p.Tr. | | | | | | 1 ✶ 12 | * Cor ☋ ☌ ☽, | 7 |
| 27 | d | Co.&Da | | | 6 △ 25 | 23 ☌ 20 | 16 ✶ 45 | | at 10 ho. 17′ | 8 |
| 28 | e | Wenc. | | | | | | | | 9 |
| 29 | f | S. Mich. | 5 ☌ 50 | 10 ☌ 31 | | | | | * Vir. Spike | 10 |
| 30 | g | Hieron. | | | | | | 21 ☌ 53 | ☌ ☽, at 12 ho. 44′ | 11 |

| | ☽ | ☊ | ♈ | ♃ | ☿ | ♂ | ♍ | ☉ | ♓ | ♀ | ♒ | ♑ | ♎ | Heliocentr. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 18 | 9 | 10 | 41 | 7 | 31 | 18 | 52 | 10 | 20 | 6 ♎ | 5 | 2 △ ♀ ♀. 5 8 ♄ ♀ |
| Heliocentrick places of the Planets. | 6 | 18 | 19 | 11 | 8 | 9 | 45 | 23 | 45 | 18 | 15 | 23 | 26 | 6 ✶ ♄ ♀. 10 △ ♃ ☌ |
| | 11 | 18 | 30 | 11 | 35 | 11 | 57 | 28 | 39 | 26 | 10 | 9 ♏ | 6 | 1 □ ♃ ♀. 11 8 ♃ ♀ |
| | 16 | 18 | 40 | 12 | 2 | 14 | 8 | 3 | ♈ 34 | 4 | ♓ 6 | 23 | 39 | 12 ✶ ☌ ♀. 21 △ ☉ ♀ |
| | 21 | 18 | 51 | 12 | 30 | 16 | 20 | 8 | 29 | 12 | 2 | 7 ♐ | 33 | 21 ✶ ♃ ♀. 24 □ ☌ ♀ |
| | 26 | 19 | 1 | 12 | 57 | 18 | 32 | 13 | 26 | 19 | 59 | 21 | 13 | 25 8 ☌ ♀. 25 △ ♄ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♅ | ♂ | ♇ | ♀ | ☿ | ☿ | ♍ | ☊ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | ♎ 18 23 | ♍ 11 34 | 4 N 3 | 19 18 | 19 16 | 1 4 | 27 3 | 10 15 | 4 13 |
| 2 | 19 23 | 26 03 | 3 14 | 19 13 | 19 10 | 1 45 | 27 28 | 11 32 | 4 10 |
| ☉ | 20 22 | ♎ 10 23 | 2 7 | 19 8 | 18 4 | 2 22 | 28 1 | 12 49 | 4 7 |
| 4 | 21 22 | 24 44 | 0 50 | 19 3 | 18 57 | 3 0 | 28 22 | 14 7 | 4 3 |
| 5 | 22 22 | ♏ 8 54 | 0 S 27 | 18 58 | 18 51 | 3 39 | 28 41 | 15 24 | 4 0 |
| 6 | 23 21 | 22 53 | 1 42 | 18 53 | 18 44 | 4 18 | 28 59 | 16 41 | 3 57 |
| 7 | 24 21 | ♐ 6 46 | 2 50 | 18 48 | 18 37 | 4 57 | 29 16 | 17 55 | 3 54 |
| 8 | 25 21 | 20 36 | 3 47 | 18 44 | 18 30 | 5 36 | 29 32 | 19 6 | 3 51 |
| 9 | 26 21 | ♑ 4 15 | 4 29 | 18 39 | 18 23 | 6 14 | 29 45 | 20 13 | 3 48 |
| ☉ | 27 20 | 17 51 | 4 55 | 18 34 | 18 16 | 6 53 | 29 57 | 21 17 | 3 44 |
| 11 | 28 20 | ♒ 1 6 | 5 4 | 18 30 | 18 9 | 7 32 | ♎ 0 6 | 22 17 | 3 41 |
| 12 | 29 20 | 14 18 | 4 58 | 18 25 | 17 1 | 8 11 | 0 12 | 23 15 | 3 38 |
| 13 | ♍ 0 20 | 27 7 | 4 36 | 18 20 | 17 54 | 8 50 | 0 16 | 24 11 | 3 35 |
| 14 | 1 20 | ♓ 9 50 | 4 3 | 18 16 | 17 46 | 9 29 | 0 18 | 25 43 | 3 31 |
| 15 | 2 20 | 22 26 | 3 20 | 18 11 | 17 39 | 10 7 | ℞ 0 17 | 25 55 | 3 28 |
| 16 | 3 20 | ♈ 4 28 | 2 27 | 18 7 | 17 31 | 10 46 | 0 15 | 26 43 | 3 29 |
| ☉ | 4 20 | 16 27 | 1 28 | 18 2 | 17 24 | 11 25 | 0 12 | 27 26 | 3 22 |
| 18 | 5 20 | 28 24 | 0 26 | 17 58 | 17 16 | 12 4 | 0 5 | 28 3 | 3 18 |
| 19 | 6 20 | ♉ 10 13 | 0 N 37 | 17 54 | 17 9 | 12 42 | ♍ 29 55 | 28 34 | 3 15 |
| 20 | 7 20 | 22 3 | 1 40 | 17 49 | 17 1 | 13 21 | 29 41 | 28 59 | 3 12 |
| 21 | 8 20 | ♊ 3 55 | 2 43 | 17 45 | 16 53 | 14 0 | 29 24 | 29 16 | 3 9 |
| 22 | 9 20 | 15 57 | 3 34 | 17 41 | 16 45 | 14 39 | 29 5 | ℞ 29 22 | 3 6 |
| 23 | 10 20 | 28 14 | 4 16 | 17 37 | 16 38 | 15 18 | 28 45 | 29 22 | 3 3 |
| ☉ | 11 21 | ♋ 10 57 | 4 48 | 17 33 | 16 30 | 15 57 | 28 24 | 29 16 | 3 0 |
| 25 | 12 21 | 23 57 | 5 4 | 17 29 | 16 22 | 16 36 | 28 2 | 29 2 | 2 57 |
| 26 | 13 21 | ♌ 7 25 | 5 5 | 17 25 | 16 14 | 17 14 | 27 39 | 28 41 | 2 53 |
| 27 | 14 22 | 21 21 | 4 52 | 17 21 | 16 6 | 17 53 | 27 12 | 28 15 | 2 50 |
| 28 | 15 22 | ♍ 5 35 | 4 13 | 17 17 | 15 58 | 18 32 | 26 42 | 27 36 | 2 47 |
| 29 | 16 23 | 20 15 | 3 22 | 17 14 | 15 49 | 19 11 | 26 11 | 26 45 | 2 40 |
| 30 | 17 23 | ♎ 5 3 | 2 19 | 17 10 | 15 41 | 19 50 | 25 39 | 25 41 | 2 44 |
| ☉ | 18 24 | 19 54 | 1 8 | 17 6 | 15 33 | 20 29 | 25 6 | 24 26 | 2 37 |

### The Latitude of the Planets

| h | ☽ | ♃ | ☽ | ♂ | N | ♀ | ☽ | ☿ | ☽ | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 48 | 1 | 21 | 0 | 59 | 5 | 49 | 2 | 1 | 1 |
| 2 | 48 | 1 | 21 | 0 | 58 | 6 | 3 | 2 | 32 | 6 |
| 2 | 48 | 1 | 21 | 0 | 56 | 6 | 9 | 2 | 46 | 11 |
| 2 | 47 | 1 | 21 | 0 | 55 | 6 | 5 | 2 | 55 | 16 |
| 2 | 47 | 1 | 20 | 0 | 53 | 5 | 45 | 2 | 40 | 21 |
| 2 | 46 | 1 | 20 | 0 | 52 | 4 | 41 | 1 | 56 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Remig. | | | 12 8 46 | | | | | 12 |
| 2 | b | Leod. | | | | 10 ✶ 0 | 2 ☌ 32 | | ☿ ♄ ☉ | 13 |
| 3 | ☾ | 19 p. Tr. | 18 ✶ 0 | 14 △ 33 | | | | | 1 day, S. Ballance | 14 |
| 4 | d | Francis | | Occid. | | 14 □ 39 | | | ☌ ♀, at 13 ho. 24′ | 15 |
| 5 | e | Conſt. | | 17 □ 12 | 16 △ 55 | | | 12 ✶ 17 | | 16 |
| 6 | f | Fides | 0 □ 54 | | | 20 △ 42 | 10 ✶ 46 | | | 17 |
| 7 | g | Mar. &c. | | 20 ✶ 47 | 20 □ 20 | | | 21 □ 7 | ☿ ♃ ♀ | 18 |
| 8 | a | Pelagia. | 9 △ 2 | | | | 15 □ 57 | | | 19 |
| 9 | b | Dionyſ. | | | | | | | | 20 |
| 10 | ☾ | 20 p. Tr. | | | 0 ✶ 44 | | 22 △ 0 | 6 △ 44 | * Scheat ☌ ☽, | 21 |
| 11 | d | Gideon | | | | 12 8 18 | | | at 13 ho. 26′ | 22 |
| 12 | e | Colman | | 5 ☌ 48 | | | | | | 23 |
| 13 | f | Edward | 6 8 34 | | | | | | * Merchab. ♐ | 24 |
| 14 | g | Calixt. | | | 14 ☌ 57 | | | | 19° 22′ 10″ | 25 |
| 15 | a | Hedw. | | | | | 15 8 39 | 6 8 32 | ☌ Nat. ☿ | 26 |
| 16 | b | Gal'us | | | | 13 △ 20 | | | | 27 |
| 17 | ☾ | 21 p. Tr. | | 3 ✶ 10 | | | | | Mid. * Ori. Belt. | 28 |
| 18 | d | S. Luke | 15 △ 20 | | | | | | ☌ ☽, at | 29 |
| 19 | e | Ptolo. | | 15 □ 27 | 13 ✶ 54 | 5 □ 15 | | | 5 ho. 50′ | 30 |
| 20 | f | Auſtre. | | | | | 15 △ 14 | 14 △ 11 | | 31 |
| 21 | g | Cordul. | 9 □ 37 | | | 21 ✶ 14 | | | | 1 Novem. |
| 22 | a | Roman. | | 3 △ 25 | 1 □ 34 | | | | * Heart Hydra. | |
| 23 | b | Ma. &c. | | | | | 0 □ 57 | 2 □ 8 | ☌ ☽, at | |
| 24 | ☾ | 22 p. Tr. | 0 ✶ 48 | | 10 △ 8 | | | | 14 ho. 11′ | |
| 25 | d | Criſpin | | | | | 7 ✶ 5 | 8 ✶ 51 | | 5 |
| 26 | e | Amand. | | 17 8 9 | | 17 ☌ 39 | | | ☿ ♄ ☌ | 6 |
| 27 | f | Urſula | | | | | | | | 7 |
| 28 | g | S. Si. &c. | 17 ☌ 10 | | 16 8 52 | | | | ☿ ♃ ☉ | 8 |
| 29 | a | Narciſ. | | | Occid. | | 9 ☌ 13 | 9 ☌ 50 | | 9 |
| 30 | b | Theon. | | 17 △ 52 | | | | | * Arcturus | 10 |
| 31 | ☾ | 23 p. Tr. | | | | 0 ✶ 56 | | | ☌ ☌, at 9 ho. 36′ | 11 |

| | ☽ | ♄ | ♈ | ♃ | ☿ | ♂ | ♍ | ☉ | ♈ | ♀ | ♐ | ☿ | ♎ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 19 | 12 | 13 | 24 | 20 | 44 | 18 | 23 | 27 | 56 | 5 ♎ | 12 | 2 ☌ ♄ ☉. 4 △ ♃ ☿ |
| | 6 | 19 | 22 | 13 | 51 | 22 | 57 | 23 | 21 | 5 ♈ | 54 | 19 | 54 | 6 □ ♄ ☿. 7 △ ♂ ♀ |
| | 11 | 19 | 32 | 14 | 18 | 25 | 10 | 28 | 20 | 13 | 52 | 5 ♒ | 51 | 8 □ ☉ ☿. 13 ✶ ☉ ♀ |
| | 16 | 19 | 44 | 14 | 45 | 27 | 24 | 3 ♉ | 20 | 21 | 52 | 23 | 39 | 14 □ ♃ ☿. 15 ☌ ♄ ☍ ♃ |
| | 21 | 19 | 54 | 15 | 12 | 29 | 38 | 8 | 20 | 29 | 53 | 13 ♓ | 57 | 15 ✶ ♄ ☿. 15 ✶ ♀ ☍ ☿ |
| | 26 | 20 | 5 | 15 | 39 | 1 ♒ | 53 | 13 | 21 | 7 ♉ | 53 | 7 ♈ | 44 | 21 ✶ ♃ ☿. 24 ☌ ♂ ☍ ☿ |

NO-

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | ☽ | Lat. | ☽ | ♄ | ♃ | ♅ | ♂ | ♎ | ♀ | ♍ | ☿ | ♍ | ♇ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 24 | 4 | 42 | 0 S | 10 | 17 2 | 15 24 | 21 7 | 24 32 | 22 58 | 2 34 |
| 2 | 20 25 | 19 | 15 | 1 | 29 | 16 58 | 15 16 | 21 46 | 23 57 | 21 32 | 2 30 |
| 3 | 21 25 | 3 ♒ | 32 | 2 | 40 | 16 55 | 15 8 | 22 25 | 23 21 | 20 11 | 2 27 |
| 4 | 22 26 | 17 | 32 | 3 | 42 | 16 51 | 15 0 | 23 5 | 22 43 | 18 44 | 2 24 |
| 5 | 23 27 | 1 ♓ | 12 | 4 | 30 | 16 48 | 14 52 | 23 44 | 22 5 | 17 41 | 2 21 |
| 6 | 24 27 | 14 | 36 | 4 | 57 | 16 44 | 14 44 | 24 23 | 21 26 | 16 30 | 2 18 |
| ☉ | 25 28 | 27 | 47 | 5 | 10 | 16 41 | 14 36 | 25 3 | 20 49 | 15 32 | 2 15 |
| 8 | 26 29 | 10 ♈ | 45 | 5 | 5 | 16 38 | 14 28 | 25 42 | 20 14 | 14 44 | 2 12 |
| 9 | 27 29 | 23 | 30 | 4 | 46 | 16 35 | 14 20 | 26 21 | 19 40 | 14 6 | 2 8 |
| 10 | 28 30 | 6 ♉ | 8 | 4 | 12 | 16 32 | 14 12 | 27 1 | 19 8 | 13 37 | 2 5 |
| 11 | 29 31 | 18 | 30 | 3 | 28 | 16 29 | 14 5 | 27 40 | 18 37 | 13 23 | 2 2 |
| 12 | 0 ♐ 32 | 0 ♊ | 45 | 2 | 35 | 16 26 | 13 57 | 28 20 | 18 6 | 13 21 | 1 59 |
| 13 | 1 33 | 12 | 51 | 1 | 37 | 16 24 | 13 50 | 28 59 | 17 37 | 13D 28 | 1 56 |
| ☉ | 2 33 | 24 | 48 | 0 | 37 | 16 21 | 13 43 | 29 39 | 17 10 | 13 44 | 1 53 |
| 15 | 3 34 | 6 ♋ | 40 | 0 N | 25 | 16 19 | 13 36 | 0 ♍ | 18 | 16 45 | 14 10 | 1 50 |
| 16 | 4 35 | 18 | 31 | 1 | 28 | 16 16 | 13 29 | 0 | 58 | 16 23 | 14 49 | 1 47 |
| 17 | 5 36 | 0 ♌ | 22 | 2 | 29 | 16 14 | 13 22 | 1 | 37 | 16 3 | 15 34 | 1 43 |
| 18 | 6 37 | 12 | 16 | 3 | 23 | 16 12 | 13 15 | 2 | 17 | 15 45 | 16 24 | 1 40 |
| 19 | 7 38 | 24 | 21 | 4 | 9 | 16 10 | 13 8 | 2 | 56 | 15 30 | 17 18 | 1 37 |
| 20 | 8 39 | 6 ♍ | 37 | 4 | 47 | 16 8 | 13 1 | 3 | 36 | 15 17 | 18 16 | 1 34 |
| ☉ | 9 40 | 19 | 11 | 5 | 8 | 16 6 | 12 55 | 4 | 15 | 15 7 | 19 18 | 1 31 |
| 22 | 10 41 | 2 ♎ | 9 | 5 | 12 | 16 4 | 12 48 | 4 | 55 | 14 59 | 20 24 | 1 27 |
| 23 | 11 42 | 15 | 37 | 5 | 1 | 16 3 | 12 42 | 5 | 35 | 14 56 | 21 34 | 1 24 |
| 24 | 12 43 | 29 | 27 | 4 | 32 | 16 1 | 12 35 | 6 | 14 | 14 54 | 22 48 | 1 21 |
| 25 | 13 44 | 13 ♏ | 48 | 3 | 47 | 16 0 | 12 29 | 6 | 54 | 14 52 | 24 5 | 1 17 |
| 26 | 14 45 | 28 | 30 | 2 | 45 | 15 58 | 12 24 | 7 | 34 | 14D 53 | 25 25 | 1 14 |
| 27 | 15 46 | 13 ♐ | 32 | 1 | 33 | 15 57 | 12 18 | 8 | 14 | 14 57 | 26 45 | 1 11 |
| ☉ | 16 47 | 28 | 33 | 0 | 14 | 15 55 | 12 13 | 8 | 53 | 15 3 | 28 7 | 1 8 |
| 29 | 17 48 | 13 ♑ | 51 | 1 S | 7 | 15 54 | 12 8 | 9 | 33 | 15 10 | 29 30 | 1 5 |
| 30 | 18 49 | 28 | 48 | 2 | 22 | 15 53 | 12 3 | 10 | 13 | 15 19 | 0 ♐ 54 | 1 2 |

### The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 45 | 1 | 19 | 0 | 51 | 4 | 3 | 0 | 12 | 1 |
| 2 | 44 | 1 | 18 | 0 | 49 | 2 | 54 | 1 N | 24 | 6 |
| 2 | 43 | 1 | 18 | 0 | 47 | 1 | 39 | 2 | 28 | 11 |
| 2 | 42 | 1 | 17 | 0 | 45 | 0 | 24 | 2 | 28 | 16 |
| 2 | 41 | 1 | 16 | 0 | 43 | 0 N | 45 | 2 | 12 | 21 |
| 2 | 40 | 1 | 15 | 0 | 41 | 1 | 43 | 1 | 43 | 26 |

NO-

## The Lunar Aspects.

| Jul. A. | W. D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aspects. | R. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | d | *All Sai.* | | 20 □ 25 | 17 △ 31 | | | | * Shining Harp | 12 |
| 2 | e | All Sou | 2 ✶ 6 | | | 4 □ 25 | 7 ✶ 35 | 3 ✶ 30 | ☌ ☽, at 13 ho. 24′ | 13 |
| 3 | f | Winifr. | | 22 ✶ 50 | 19 □ 43 | | | *Orien.* | ☌ ☉ ☿ | 14 |
| 4 | g | Aman. | 9 □ 17 | | | 10 △ 23 | 8 □ 42 | 2 □ 13 | | 15 |
| 5 | a | Lætus | | | | | | | 7 day N. Ballance | 16 |
| 6 | b | Leonar. | 17 △ 24 | | 0 ✶ 16 | | 11 △ 48 | 3 △ 12 | ☌ ☿, at | 17 |
| 7 | c | 24 *p. Tr.* | | | | | | | 7 ho. 2′ | 18 |
| 8 | d | Severus | | 10 ☌ 58 | | | | | 8 ☌ ♃ | 19 |
| 9 | e | Theod. | | | | 5 8 42 | | | * Gir. Andromeda. | 20 |
| 10 | f | Mart. P. | | | 15 ☌ 30 | | | 14 8 15 | ☌ ☽, at | 21 |
| 11 | g | Mart B. | 23 ☌ 32 | | | | 0 8 14 | | 5 ho. 20′ | 22 |
| 12 | a | Ludov. | | | | | | | | 23 |
| 13 | b | Ascan. | | 7 ✶ 6 | | | | | * Mid. * Ori. Belt. | 24 |
| 14 | c | 25 *p. Tr.* | | | | 10 △ 24 | | | ☌ ☽, at | 25 |
| 15 | d | Leop. | | 17 □ 57 | 13 ✶ 54 | | 20 △ 7 | 16 △ 5 | 13 ho. 5′ | 26 |
| 16 | e | Othm. | | | | | | | | 27 |
| 17 | f | Anianus | 11 △ 32 | | | 2 □ 40 | | | * S. Asellus | 28 |
| 18 | g | Oct. Ma. | | 7 △ 48 | 1 □ 0 | | 6 □ 47 | 8 □ 54 | ☌ ☽, at 8 ho. 30′ | 29 |
| 19 | a | Elizab. | | | | 17 ✶ 55 | | | 20 day, N. Ballance | 30 |
| 20 | b | Eugen. | 4 □ 13 | | 12 △ 6 | | 16 ✶ 21 | | ☌ ☿, at 4 ho. 48′ | 1 |
| 21 | c | 26 *p. Tr.* | | | | | | 0 ✶ 14 | | |
| 22 | d | Cæcilia | 16 ✶ 28 | | | | | | | |
| 23 | e | Clem. | | 0 8 45 | | | | | * Arcturus | Decemb. |
| 24 | f | Chrisog | | | 21 8 51 | 11 ☌ 56 | | | ☌ ☽, at 7 ho. 46′ | |
| 25 | g | Cathar. | | | | | 2 ☌ 1 | 18 ☌ 27 | | 6 |
| 26 | a | Conard | | | | | | | | 7 |
| 27 | b | Gunth. | 3 ☌ 52 | 3 △ 52 | | | | | ☉ Eclipsed visib. | 8 |
| 28 | c | *Ad. Sun.* | | | 21 △ 20 | 16 ✶ 57 | | | △ ♄ ☉ | 9 |
| 29 | d | Saturn | | 3 □ 16 | | | 2 ✶ 9 | | Merchab. | 10 |
| 30 | e | St. *And.* | | | 21 □ 15 | 19 □ 12 | | 2 ✶ 0 | 19° 22′ 14″ ♓ | 11 |

| | D | ♄ | ♈ | ♃ | ♂ | ♐ | ♎ | ☉ | ☌ ♍ | ♀ | ☌ ♑ | ☿ | ☌ ♑ | Heliocent. Aspects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 20 | 17 | 16 | 11 | 4 | 35 | 19 | 24 | 17 | 31 | 11 | ☌ 38′ | 2 ☌ ☉ ☿. 2 ☍ ♃ ♀ |
| | 6 | 20 | 28 | 16 | 38 | 6 | 51 | 24 | 27 | 25 | 34 | 13 | ♊ 4 | 1 ☌ ♃ ♀. 8 ✶ ♄ ♅ |
| | 11 | 20 | 38 | 17 | 5 | 9 | 8 | 29 | 31 | 3 | ♋ 37 | 14 | ♌ 33 | 12 ✶ ♃ ♀. 13 □ ♄ ♀ |
| | 16 | 20 | 49 | 17 | 32 | 11 | 25 | 4 | ♌ 35 | 11 | 41 | 13 | ♌ 10 | 14 ✶ ☉ ♀ 16 △ ☌ ♆ |
| | 21 | 20 | 59 | 17 | 59 | 13 | 43 | 9 | 40 | 19 | 46 | 7 | ♍ 42 | 17 □ ♃ ♀. 17 △ ♄ ♀ |
| | 26 | 21 | 10 | 18 | 26 | 16 | 1 | 14 | 45 | 27 | 50 | 28 | 38 | 21 ✶ ♄ ♀. 22 □ ♅ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♅ | ♂ | ♀ | ☿ | ♇ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 50 | 13♒26 | 3 S 26 | 15 52 | 11 58 | 10 53 | 15 31 | 2 18 | 0 | 58 |
| 2 | 20 51 | 27 41 | 4 22 | 15 52 | 11 54 | 11 33 | 15 45 | 3 43 | 0 | 55 |
| 3 | 21 52 | 11♓32 | 4 55 | 15 52 | 11 49 | 12 13 | 16 2 | 5 10 | 0 | 52 |
| 4 | 22 53 | 24 50 | 5 15 | 15 51 | 11 45 | 12 53 | 16 22 | 6 37 | 0 | 49 |
| ☉ | 23 54 | 8 ♈ 15 | 5 5 | 15 51 | 11 41 | 13 33 | 16 35 | 8 5 | 0 | 46 |
| 6 | 24 55 | 20 43 | 4 52 | 15 D 51 | 11 37 | 14 12 | 17 10 | 9 34 | 0 | 43 |
| 7 | 25 56 | 3 ♉14 | 4 21 | 15 51 | 11 33 | 14 52 | 17 36 | 11 3 | 0 | 40 |
| 8 | 26 58 | 15 26 | 3 39 | 15 51 | 11 30 | 15 32 | 18 3 | 12 33 | 0 | 37 |
| 9 | 27 59 | 27 39 | 2 46 | 15 51 | 11 26 | 16 12 | 18 31 | 14 3 | 0 | 34 |
| 10 | 29 1 | 9 ♊42 | 1 48 | 15 51 | 11 23 | 16 52 | 19 1 | 15 33 | 0 | 30 |
| 11 | 0♍ 2 | 21 39 | 0 47 | 15 52 | 11 20 | 17 32 | 19 33 | 17 4 | 0 | 27 |
| ☉ | 1 3 | 3 ♋34 | 0 N 16 | 15 52 | 11 17 | 18 12 | 20 6 | 18 35 | 0 | 24 |
| 13 | 2 4 | 15 25 | 1 18 | 15 52 | 11 15 | 18 52 | 20 41 | 20 6 | 0 | 21 |
| 14 | 3 5 | 27 17 | 2 18 | 15 53 | 11 12 | 19 32 | 21 17 | 21 37 | 0 | 18 |
| 15 | 4 6 | 9 ♌23 | 3 13 | 15 54 | 11 10 | 20 12 | 21 54 | 23 8 | 0 | 15 |
| 16 | 5 7 | 21 12 | 4 0 | 15 55 | 11 8 | 20 51 | 22 31 | 24 40 | 0 | 11 |
| 17 | 6 9 | 3 ♍17 | 4 37 | 15 56 | 11 6 | 21 31 | 23 10 | 26 13 | 0 | 8 |
| 18 | 7 10 | 15 38 | 5 2 | 15 57 | 11 5 | 22 11 | 23 51 | 27 46 | 0 | 5 |
| ☉ | 8 11 | 28 11 | 5 13 | 15 58 | 11 3 | 22 51 | 24 33 | 29 19 | 0 | 2 |
| 20 | 9 13 | 11♎45 | 5 10 | 15 59 | 11 2 | 23 31 | 25 17 | 0♍52 | 29 | 59 |
| 21 | 10 14 | 24 21 | 4 45 | 16 1 | 11 1 | 24 11 | 26 2 | 2 25 | 29 | 55 |
| 22 | 11 15 | 8 ♏ 24 | 4 4 | 16 3 | 11 1 | 24 51 | 26 48 | 3 59 | 29 | 52 |
| 23 | 12 16 | 22 10 | 3 10 | 16 4 | 11 0 | 25 31 | 27 34 | 5 34 | 29 | 48 |
| 24 | 13 17 | 6 ♐48 | 2 0 | 16 6 | 11 0 | 26 11 | 28 21 | 7 8 | 29 | 45 |
| 25 | 14 18 | 21 42 | 0 43 | 16 8 | 10 59 | 26 51 | 29 9 | 8 43 | 29 | 42 |
| ☉ | 15 19 | 6 ♑53 | 0 S 37 | 16 10 | 10 59 | 27 31 | 29 59 | 10 18 | 29 | 39 |
| 27 | 16 21 | 22 6 | 1 55 | 16 12 | 10 59 | 28 11 | 0♐49 | 11 54 | 29 | 36 |
| 28 | 17 22 | 7 ♒14 | 3 6 | 16 14 | 11 0 | 28 51 | 1 40 | 13 31 | 29 | 33 |
| 29 | 18 23 | 22 7 | 4 2 | 16 16 | 11 0 | 29 31 | 3 32 | 15 8 | 29 | 29 |
| 30 | 19 24 | 6 ♓36 | 4 44 | 16 18 | 11 1 | 0♐11 | 3 25 | 16 46 | 29 | 26 |
| 31 | 20 26 | 20 38 | 5 7 | 16 20 | 11 1 | 0 51 | 4 19 | 18 25 | 29 | 23 |

## The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 39 | 1 | 14 | 0 | 39 | 2 | 32 | 1 | 6 | 1 |
| 2 | 37 | 1 | 13 | 0 | 37 | 3 | 9 | 0 | 36 | 6 |
| 2 | 36 | 1 | 11 | 0 | 34 | 3 | 34 | 0 S | 7 | 11 |
| 2 | 35 | 1 | 9 | 0 | 31 | 3 | 49 | 0 | 39 | 16 |
| 2 | 33 | 1 | 8 | 0 | 29 | 4 | 21 | 0 | 9 | 21 |
| 2 | 31 | 1 | 6 | 0 | 26 | 4 | 8 | 1 | 34 | 26 |

The

## The Lunar Aspects.

| Jan. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Occid. | ☿ Orient | Planets mutual Aspects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ☾ | Eligius | 11 ✶ ☉ | 4 ✶ 6 | | | 3 □ 25 | | * S. Ballance, ☌☌, | 12 |
| 2 | ☿ | Libanus | | | | | | 11 □ 41 | ♃ ☌. (at 3 h. 0' | 13 |
| 3 | ♂ | Cassian | 20 □ 10 | | ☉ ✶ 31 | ☽ △ 20 | ♃ △ 2 | | * Merchab ☌ ☽, | 14 |
| 4 | ♃ | Barbary | | | | | | | at 14 ho. 10' | 15 |
| 5 | ♄ | 2 Su. Ad. | | ☽ ☌ 59 | | | | ☉ △ 8 | | 16 |
| 6 | ☉ | Nichol. | ☽ △ 48 | | | | | | | 17 |
| 7 | ☽ | Agat. M. | | | ☽ ☌ 6 | | | | * N. Ballance ☌☌ | 18 |
| 8 | ☽ | Co. B. V. | | | | ☉ ☽ 12 | ♃ ☽ 15 | | at 13 ho. 48' | 19 |
| 9 | ♀ | Cypri. | | | | | | | | 20 |
| 10 | ♂ | Eularia | | ☽ ✶ 22 | | | | ☽ ☽ 33 | | 21 |
| 11 | ☿ | Damas. | ☽ ☽ 31 | | | | | | △ ♄ ☿ | 22 |
| 12 | ☾ | 3 Su. Ad. | | | ☽ ✶ 53 | | | | ☽ Eclipsed visible | 23 |
| 13 | ☿ | Lucia V. | | ☉ □ 52 | | ☽ △ 26 | ☽ △ 13 | | | 24 |
| 14 | ♂ | Nicasi. | | | | | | | * Proycon ☌ ☽, at | 25 |
| 15 | ☽ | Abrah. | | ☽ △ 24 | ♃ □ 55 | ♃ □ 20 | | | 12 ho 48' | 26 |
| 16 | ♀ | Ananias | | | | | ♃ □ 46 | ☽ △ ☉ | * Cor ♌ ☌ ☽ at 9 h. | 27 |
| 17 | ♃ | Lazarus | ☽ △ 4 | | ☽ △ 13 | | | | | 28 |
| 18 | ♄ | Rufus | | | | ☽ ✶ 14 | ☽ ✶ 40 | | * Tail of ♌ ☌ ☽, | 29 |
| 19 | ☾ | 4 S. Adv | ☽ □ 13 | | | | | ☽ □ 23 | at 3 ho. 34' | 30 |
| 20 | ☉ | Ammon | | ☽ ☽ 54 | | | | | | 31 |
| 21 | ☽ | S. Thom. | | | | | | ☽ ✶ 45 | | 1 |
| 22 | ☽ | 30 Mar | ♃ ✶ 53 | | ♃ ☽ 6 | | | | △ ♃ ☉ | Jan. |
| 23 | ♀ | Victor. | | | | ♃ ☌ 27 | ☽ ☌ 34 | | Swans mouth - | |
| 24 | ♂ | Ignatius | | ☽ △ 1 | | | | | 27° 10' 20" ♒ | |
| 25 | ☿ | Christm. | | | | | | | | 5 |
| 26 | ☾ | S. Steph | ☽ ☌ 16 | ☽ □ 51 | ☽ △ 30 | | | ☽ ☌ ☉ | ☉ Eclipse. invisible | 6 |
| 27 | ☉ | S. John | | | | ☽ ✶ 6 | ☽ ✶ 38 | | □ ♄ ☉. △ ♃ ☿ | 7 |
| 28 | ☽ | S. Innoc. | | ☽ ✶ 33 | ♃ □ ♃ 5 | | | | | 8 |
| 29 | ☽ | Jonat. | | | | | | | | 9 |
| 30 | ♀ | David | ♃ ✶ 36 | | ☽ ✶ 33 | ☉ □ 50 | ☽ □ 50 | | * Fomahant | 10 |
| 31 | ♂ | Silvest. | | | | ☉ △ 52 | | ☽ ✶ 44 | ☌ ☽, at | 11 |
| | | | | | | | | | 12 ho. 27' | |

## Heliocentrick places of the Planets.

| D | ♄ | ♈ | ♃ | ☽ | ☌ | ♎ | ☉ | ♊ | ♀ | ♋ | ☿ | ♎ | Heliocentr. Aspects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21 | 21 | 18 | 53 | 18 | 21 | 19 | 50 | 5 | 56 | 16 | ♎ 51 | 1 △ ☌ ☉. 2 ✶ ♄ ☉ |
| 6 | 21 | 31 | 19 | 20 | 20 | 42 | 24 | 55 | 14 | 2 | 3 | ♏ 6 | 2 ☌ ☌ ♀. 2 △ ☉ ♀ |
| 11 | 21 | 42 | 19 | 47 | 23 | 3 | 0 | ♋ 22 | 22 | 8 | 18 | 2 | 7 8 ♄ ☌. 9 ✶ ♃ ♀ |
| 16 | 21 | 52 | 20 | 14 | 25 | 24 | 5 | 7 | 0 | ♌ 15 | 2 | ♐ 5 | 12 □ ♄ ♀. 12 8 ♃ ♀ |
| 21 | 22 | 3 | 20 | 41 | 27 | 47 | 10 | 14 | 8 | 22 | 15 | 50 | 12 □ ☌ ♀. 14 △ ♀ ☿ |
| 26 | 22 | 13 | 21 | 8 | 0 | ♏ 10 | 15 | 19 | 16 | 27 | 29 | 37 | 17 8 ☉ ♀ |

*The Radices of the Middle Motions of the Planets* January *the First*, 1703. *Old Stile, according to* SCIENTIA STELLARUM.

| | S. | °. | ′ | ″ |
|---|---|---|---|---|
| THE Progreſſion of the firſt ✱ of ♈ from the Vernal *Equinox*, | 0 | 29 | 2 | 30 |
| The middle Longitude of the Sun | 9 | 20 | 13 | 12 |
| The Aphelion of the Sun | 3 | 7 | 27 | 22 |
| The Anomaly of the Sun | 6 | 12 | 45 | 50 |
| The middle Longitude of the Moon | 7 | 17 | 16 | 00 |
| The Apogæon of the Moon | 2 | 0 | 19 | 00 |
| The Node Aſcend. | 3 | 18 | 40 | 00 |
| The middle Motion of *Saturn* | 0 | 16 | 17 | 00 |
| The Aphelion of *Saturn* | 8 | 28 | 10 | 00 |
| The Node Aſcend. of *Saturn* | 3 | 21 | 34 | 00 |
| The middle Motion of *Jupiter* | 0 | 17 | 47 | 00 |
| The Aphelion of *Jupiter* | 6 | 10 | 5 | 00 |
| The Node Aſcend. of *Jupiter* | 3 | 7 | 18 | 00 |
| The middle Motion of *Mars* | 1 | 1 | 30 | 00 |
| The Aphelion of *Mars* | 5 | 1 | 4 | 00 |
| The Node Aſcend. of *Mars* | 1 | 17 | 57 | 00 |
| The middle Motion of *Venus* | 9 | 11 | 6 | 00 |
| The Aphelion of *Venus* | 10 | 1 | 30 | 00 |
| The Node Aſcend. of *Venus* | 2 | 14 | 22 | 00 |
| The middle Motion of *Mercury* | 8 | 8 | 31 | 00 |
| The Aphelion of *Mercury* | 8 | 12 | 59 | 00 |
| The Node Aſcend. of *Mercury* | 1 | 15 | 13 | 00 |

*End of the Ephemeris for the Year of the Chriſtian* Æra 1703.

AN.

AN

# EPHEMERIS

OF THE

# Cœleſtial Motions

AND

# ASPECTS

For the Year of the Chriſtian *ÆRA* 1704.

Calculated for the Meridian of

# *LONDON:*

Whereto are number'd from

The

| | | |
|---|---|---|
| Creation of the World | 5653 | Years. |
| General Deluge | 3997 | |
| Building of *London* | 2811 | |
| Death of *Alexander the Great* | 2026 | |
| Beginning of the *Julian* Year | 1747 | |
| Paſſion and Death of Chriſt | 1671 | |
| Flight of *Mahomet* | 1113 | |
| Correction of the Calendar by P. *Gregory* | 122 | |

| *Julian* | | *Gregorian* |
|---|---|---|
| 14 | The Golden Number | 14 |
| 5 | The Cycle of the Sun | 5 |
| B A | The Dominical Letters | E D |
| 12 | The Roman Indiction | 12 |
| 4 | The Epacts | 24 |
| 26 | Numbers of Direction | 29 |

| *Julian* | | *Gregorian.* |
|---|---|---|
| *Febr.* 27 | *Shrove-Sunday* | 8 *Mar.* |
| *April* 16 | *Eaſter Day* | 26 *Apr.* |
| *May* 21 | *Rogation Sunday* | 31 *May.* |
| *May* 25 | *Aſcenſion day* | 4 *June.* |
| *June* 4 | *Whit-Sunday* | 14 *June.* |
| *Dec.* 3 | *Advent Sunday* | 29 *Nov.* |

By *JOHN WING*, Mathemat.

*LONDON*, Printed in the Year 1702.

*The Exact Time of the Sun's Ingreſs into the four Cardinal Signs, with the Planets Places reduc'd to that time.*

| | Longit. ☉ S. ° ′ ″ | Anom. ☉ S. ° ′ ″ | | S. ° ′ ″ |
|---|---|---|---|---|
| Epocha 1704 | 9 19 59 52 | 6 12 30 30 | ♄ | ♈ 22 27 26 |
| *March* Day 9 | 2 8 00 34 | 2 8 00. 22 | ♃ | ♉ 19 5 35 |
| Hour 1 | 2 28 | 2 28 | ♂ | ♍ 17 32 11 |
| 16′ 41″ | 41 | 41 | ♀ | ♒ 19 8 12 |
| Middle Mot. ☉ | 11 28 03 35 | 8 20 34 01 | ☿ | ♓ 3 26 8 |
| Proſthaph. Add. | 1 56 25 | | ☽ | ♍ 18 41 30 |
| Sun's Place. | ♈ 00 00 00 | ☉ enters ♈ | ☊ | ♋ 25 43 50 |

*The Sun's Ingreſs into ♋, &c.*

| | | | | |
|---|---|---|---|---|
| Epocha 1704 | 9 19 59 52 | 6 12 30 30 | ♄ | ♉ 3 23 21 |
| *June* Day 10 | 5 9 40 29 | 5 9 40 2 | ♃ | ♊ 9 51 59 |
| Hour 1 | 2 28 | 2 28 | ♂ | ♓ 17 46 22 |
| 41′ 16″ | 1 42 | 1 42 | ♀ | ♊ 10 51 11 |
| Middle Mot. ☉ | 2 29 44 31 | 11 22 14 42 | ☿ | ♋ 18 5 00 |
| Proſthaph. Add. | 15 29 | | ☽ | ♒ 23 11 30 |
| Sun's Place. | ♋ 00 00 00 | ☉ enters ♈ | ☊ | ♊ 20 47 47 |

*The Sun's Ingreſs into ♎, &c.*

| | | | | |
|---|---|---|---|---|
| Epocha 1704 | 9 19 59 52 | 6 12 30 30 | ♄ | ♉ 5 00 32 |
| *Septemb.* Day 11 | 8 11 20 24 | 8 11 19 48 | ♃ | ♊ 25 24 30 |
| Hours 14 | 34 30 | 34 30 | ♂ | ♈ 4 45 18 |
| 48′ 28″ | 1 59 | 1 59 | ♀ | ♎ 6 01 36 |
| Middle Mot. ☉ | 6 01 56 45 | 2 24 26 47 | ☿ | ♎ 23 01 46 |
| Proſthaph. Sub. | 1 56 45 | | ☽ | ♋ 23 50 25 |
| Sun's Place. | ♎ 00 00 00 | ☉ enters ♎ | ☊ | ♊ 15 51 9 |

*The Sun's Entrance into ♑, &c.*

| | | | | |
|---|---|---|---|---|
| Epocha 1704 | 9 19 59 52 | 6 12 30 30 | ♄ | ♈ 29 18 48 |
| *Decemb.* Day 10 | 11 10 02 53 | 11 10 01 52 | ♃ | ♊ 19 11 05 |
| Hours 5 | 12 19 | 12 19 | ♂ | ♈ 13 52 51 |
| 1′ 12″ | 3 | 3 | ♀ | ♑ 27 51 31 |
| Middle Mot. ☉ | 9 00 15 07 | 5 22 44 44 | ☿ | ♐ 28 22 46 |
| Proſthaph. Sub. | 15 07 | | ☽ | ♎ 25 44 45 |
| Sun's Place. | ♑ 00 00 00 | ☉ enters ♑ | ☊ | ♊ 11 9 22 |

*Of*

## *Of the Eclipſes this Year* 1704.

THE Eclipſes falling within the Circumference of this preſent Year, are in Number Four; the laſt of them being of the Moon, will only be viſible here in *England*. They all happen in this following Order:

The Firſt is an Eclipſe of the Sun upon the 22 day of *May*, a little after Noon, yet will not be viſible in any part of this Kingdom, for the great South Latitude of the Moon augmented by her Parallax of Latitude, the Sum whereof is much greater than their Semidiameters, which proves its Inviſibility here; neither will it be but a ſmall Eclipſe where it is viſible; and that will be in South *Africk*, about *Guinea*, and likewiſe about *Gago*, *Modinga*, *Gubar*, and other Places lying near the *Black River*, the Iſlands alſo of St. *Thomas*, and more Southern Parts that way, unknown to us.

The Second is an Eclipſe of the Moon the 6th of *June*, after 6 in the Afternoon, which cannot be viſible here by reaſon of the Sun being above the Horizon, and the Moon below, the End whereof is juſt before the Moon riſes; which Eclipſe will be total without Continuance; for the Scruples deficient are equal to the Moon's Diameter, as we thus prove.

| | ′ | ″ |
|---|---|---|
| The Sum of the Horozontal Parallaxes of ☉ and ☽ | 60 | 42 |
| The Sun's Semidiameter ſubſtract | 16 | 1 |
| The apparent Semidiameter of the Earth's Shadow | 44 | 41 |
| The Moon's Semidiameter add | 16 | 35 |
| The Sum of the Semidiameters | 61 | 16 |
| The Moon's Latitude ſubſtract | 28 | 9 |
| The Scruples deficient | 33 | 7 |
| The Moon's Diameter the ſame | 33 | 7 |

Thoſe

Thoſe that live in *Græcia*, *Macedonia*, *Aſia*, and Parts adjacent, may obſerve the whole Duration thereof; and to ſuch as live 5 Hours and an half Eaſt from *London*, in the Longitude of 104 Degrees 40′, may obſerve it in their Meridian; near which lieth *Nova Zembla*, *Parthia*, and about the River *Ganges*, near the Gulf of *Bengale*.

The Third is an inviſible Eclipſe of the Sun on the 16th of *November*, a little after 5 in the Morning, which will be conſpicuous, in the Provinces of *India*, and to thoſe who inhabit the *Lucach Beach*, and *Maleter* Kingdoms, and in the Iſlands *Des Romeros*, and Parts adjoining.

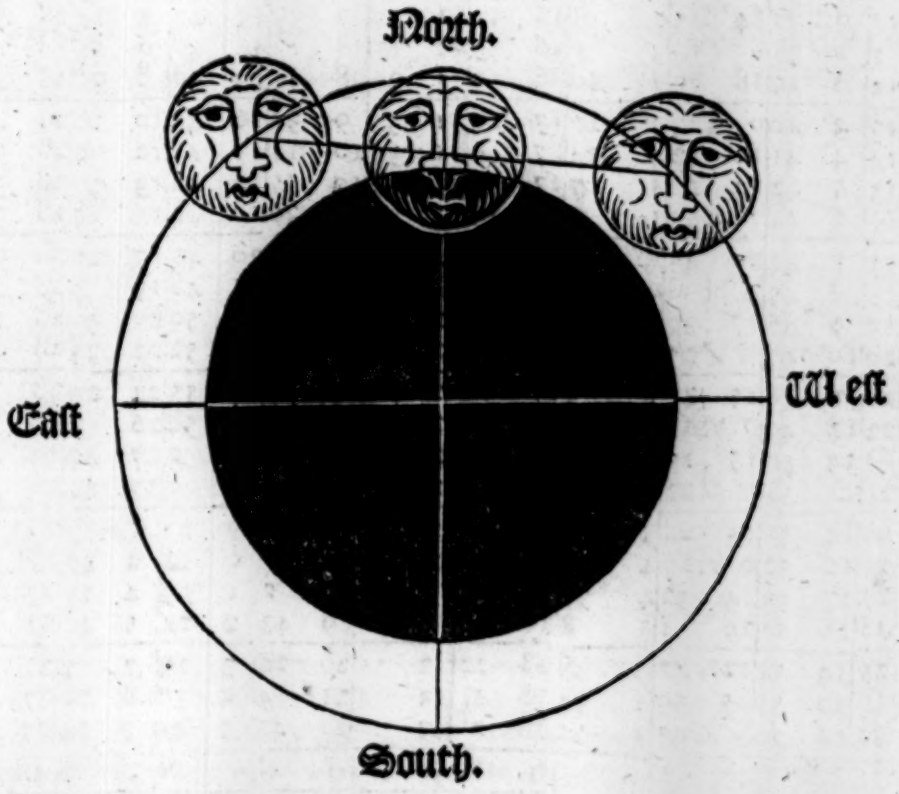
The Fourth and laſt is a Partial Eclipſe of the Moon, *November* the 30th. in the Morning, according to the following Calculation.

| | D. | H. | ′ | ″ |
|---|---|---|---|---|
| The middle time of the true ☌ is *November* | 29 | 19 | 25 | 41 |
| The Sun's true Place is | ♐ | 19 | 24 | 1 |
| The Moon's Eccentrick Place is | ♊ | 19 | 24 | 1 |
| The Argument of Latitude | 0 | 7 | 44 | 35 |
| The Latitude of the Moon No. Aſcend. | | | 40 | 23 |
| The Reduction ſubſtract | | | 1 | 42 |
| The time of Reduction add | | | 3 | 30 |
| The true ☌ in the Ecliptick *Novem.* | 29 | 19 | 29 | 11 |
| The Equation of time add | | | 3 | 46 |
| The apparent time of the true ☌ *Novemb.* | 29 | 19 | 32 | 57 |
| The Sum of the Sun and Moon's Horozontal Parallaxes | | | 55 | 14 |
| The Semidiameter of the Sun ſub. | | | 16 | 30 |
| The apparent Semidiameter of the Earth's Shadow | | | 38 | 44 |
| The ☽'s Semidiameter add | | | 15 | 17 |
| The Sum of the ſaid Semidiameters | | | 54 | 01 |
| The Latitude of the Moon ſubſtract | | | 40 | 50 |
| The Scruples deficient | | | 13 | 11 |
| The Digits Eclipſed 5° 10′ 15″ | | 5 | 10 | 15 |
| The Scruples of Incidence | | | 35 | 21 |
| The time of Incidence | | 1 | 12 | 47 |
| The total Duration | | 2 | 25 | 34 |
| The Interval ſubſtract | | | 7 | 10 |

Hence

| | | H. | ′ | ″ | |
|---|---|---|---|---|---|
| Hence | The Beginning is at | 18 | 13 | 00 | P. M. |
| | The greateſt Obſcuration | 19 | 25 | 47 | |
| | The true Oppoſition | 19 | 32 | 57 | |
| | The End of the Eclipſe | 20 | 38 | 34 | |

*A Type of this Eclipſe.*




The Moon's Latitude at { the Beginning 37′ 01″ } No. Aſcend.
{ the End 43 40 }

The Moon ſets eclipſed; for the Eclipſe is not over by the ſpace of 16′ 34″ when the Moon ſets.

## The Diurnal Motion of the Planets.

| Days. | ☉ ♒ | ☽ ♈ | Lat. ☽ | ♄ ♈ | ♃ ♉ | ♂ ♐ | ♀ ♐ | ☿ ♒ | ♌ ♊ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | °  ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 21 27 | 4 ♈17 | 5 S 11 | 16 22 | 11 2 | 1 31 | 5 11 | 20 4 | 29 19 |
| ☉ 2 | 22 28 | 17 19 | 5 0 | 16 25 | 11 3 | 2 11 | 6 5 | 21 43 | 29 16 |
| 3 | 23 29 | 0 ♉ 44 | 3 30 | 16 28 | 11 5 | 2 51 | 7 0 | 23 23 | 29 13 |
| 4 | 24 30 | 12 30 | 3 48 | 16 31 | 11 7 | 3 31 | 7 55 | 25 3 | 29 10 |
| 5 | 25 31 | 24 43 | 2 55 | 16 34 | 11 9 | 4 12 | 8 51 | 26 44 | 29 7 |
| 6 | 26 33 | 6 ♊41 | 1 58 | 16 38 | 11 12 | 4 52 | 9 48 | 28 24 | 29 4 |
| 7 | 27 34 | 18 38 | 0 55 | 16 41 | 11 15 | 5 32 | 10 45 | 0♒ 5 | 29 1 |
| 8 | 28 35 | 0 ♋26 | 0 N 7 | 16 45 | 11 18 | 6 12 | 11 43 | 1 47 | 28 58 |
| ☉ 9 | 29 36 | 12 20 | 1 9 | 16 48 | 11 21 | 6 53 | 12 42 | 3 29 | 28 54 |
| 10 | 0♒37 | 24 15 | 2 8 | 16 52 | 11 24 | 7 33 | 13 41 | 5 11 | 28 51 |
| 11 | 1 38 | 6 ♌14 | 3 1 | 16 55 | 11 27 | 8 13 | 14 40 | 6 54 | 28 48 |
| 12 | 2 39 | 18 19 | 3 50 | 16 59 | 11 31 | 8 54 | 15 40 | 8 32 | 28 45 |
| 13 | 3 40 | 0 ♍23 | 4 26 | 17 2 | 11 39 | 9 34 | 16 40 | 10 22 | 28 42 |
| 14 | 4 41 | 12 42 | 4 54 | 17 6 | 11 39 | 10 15 | 17 41 | 12 6 | 28 39 |
| 15 | 5 42 | 24 10 | 5 7 | 17 9 | 11 43 | 10 55 | 18 42 | 13 50 | 28 36 |
| ☉ 16 | 6 43 | 7 ♎49 | 5 6 | 17 13 | 11 48 | 11 36 | 19 44 | 15 35 | 28 32 |
| 17 | 7 44 | 20 45 | 4 50 | 17 17 | 11 52 | 12 16 | 20 46 | 17 20 | 28 29 |
| 18 | 8 45 | 3 ♏56 | 4 17 | 17 21 | 11 57 | 12 57 | 21 48 | 19 5 | 28 26 |
| 19 | 9 46 | 17 30 | 3 28 | 17 25 | 12 1 | 13 37 | 22 50 | 20 50 | 28 23 |
| 20 | 10 47 | 1 ♐25 | 2 23 | 17 29 | 12 6 | 14 18 | 23 52 | 22 35 | 28 20 |
| 21 | 11 48 | 15 45 | 1 9 | 17 34 | 12 11 | 14 58 | 24 55 | 24 20 | 28 17 |
| 22 | 12 49 | 0 ♑24 | 0 S 10 | 17 38 | 12 16 | 15 39 | 25 58 | 26 3 | 28 14 |
| ☉ 23 | 13 50 | 15 19 | 1 28 | 17 43 | 12 22 | 16 19 | 27 2 | 27 44 | 28 10 |
| 24 | 14 51 | 0 ♒22 | 2 40 | 17 48 | 12 27 | 17 0 | 28 6 | 27 24 | 28 7 |
| 25 | 15 51 | 15 24 | 3 41 | 17 53 | 12 33 | 17 41 | 29 10 | 1♓ 3 | 28 4 |
| 26 | 16 52 | 0 ♓27 | 4 28 | 17 58 | 12 39 | 18 21 | 0♑14 | 2 40 | 28 1 |
| 27 | 17 53 | 14 52 | 4 57 | 18 3 | 12 45 | 19 2 | 1 19 | 4 13 | 27 58 |
| 28 | 18 54 | 29 15 | 5 8 | 18 8 | 12 51 | 19 43 | 2 24 | 5 42 | 27 55 |
| 29 | 19 54 | 12 ♈42 | 4 58 | 18 14 | 12 57 | 20 24 | 3 29 | 7 7 | 27 51 |
| ☉ 30 | 20 55 | 25 59 | 4 34 | 18 19 | 13 4 | 21 4 | 4 35 | 8 28 | 27 48 |
| 31 | 21 56 | 8 ♉47 | 3 55 | 18 25 | 13 10 | 21 45 | 5 41 | 9 44 | 27 45 |

## The Latitude of the Planets.

| ♄ S | ♃ S | ♂ N | ♀ N | ☿ S | Days. |
|---|---|---|---|---|---|
| 2 29 | 1 4 | 0 23 | 4 5 | 1 55 | 1 |
| 2 28 | 1 3 | 0 19 | 3 57 | 2 2 | 6 |
| 2 27 | 1 1 | 0 15 | 3 47 | 2 2 | 11 |
| 2 26 | 0 59 | 0 11 | 3 34 | 1 46 | 16 |
| 2 25 | 0 58 | 0 7 | 3 18 | 1 18 | 21 |
| 2 24 | 0 56 | 0 3 | 2 57 | 0 32 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Circum. | | 22 ☌ 19 | | | 1 △ 47 | | * Antares ☌ ☿, | 12 |
| 2 | b | Macrius | 10 □ 32 | | | | | 9 □ 32 | ☌ ☉ ♀ (at 12h. 53' | 13 |
| 3 | c | Enoch | | | 22 ☌ 55 | | | Occid. | | 14 |
| 4 | d | Teleſp. | | | | | | | * Head of Algol | 15 |
| 5 | e | Simeon | 1 △ 45 | | | 20 8 ☾ | | 4 △ 42 | ☌ ☽, at 18 ho. 47' | 16 |
| 6 | f | Epiphany | | 20 ✶ 4 | | | 5 848 | | | 17 |
| 7 | g | Juliana | | | | | | | * Antares ☌ ♂, at | 18 |
| 8 | a | Erhard | | | 22 ✶ 1 | | | | 4 ho. 48' | 19 |
| 9 | b | 1 aſt. Ep. | | 9 □ 2 | | | | | 8 day, Head of | 20 |
| 10 | c | Nicanor | 13 8 55 | | | | | | Hercules ☌ ♀, | 21 |
| 11 | d | Hygin. | | 21 △ 16 | 10 □ 28 | 4 △ 13 | 18 △ 16 | 1 826 | at 6 ho. 6' | 22 |
| 12 | e | Satyrius | | | | | | | | 23 |
| 13 | f | Hilar. B. | | | 21 △ 55 | 18 □ 57 | | | △ ♄ ♀. □ ♃ ☿ | 24 |
| 14 | g | Fælix | | | | | 11 □ 26 | | | 25 |
| 15 | a | Maurit. | 21 △ 55 | | | | | | 16 Day, Head Her- | 26 |
| 16 | b | 2 aſt. Ep. | | 17 8 35 | | 7 ✶ 26 | | 16 △ 41 | cules ☌ ♂, 13h. 12' | 27 |
| 17 | c | Antho. | | | | | ☽ ✶ ☿ | | □ ♄ ♀ | 28 |
| 18 | d | Priſca | 9 □ 14 | | 14 8 14 | | | | * Lucida Corona | 29 |
| 19 | e | Pontian | | | | | | | ☌ ☽, at 7 ho. 22' | 30 |
| 20 | f | Fa. & Se. | 16 ✶ 52 | | | 1 ☌ 34 | | 6 □ 15 | | 31 |
| 21 | g | Agneta | | 19 △ 27 | | | 16 ☌ 12 | 15 ✶ 57 | □ ☉ ♃. ✶ ☿ ♀ | 1 Febr. |
| 22 | a | Vincent | | | 19 △ 22 | | | | * Shining Harp | |
| 23 | b | 3 aſt. Ep. | | 3 □ 45 | | | | | ☌ ☽, at 17 ho. 20' | |
| 24 | c | Timot. | | | 19 □ 26 | | | | | |
| 25 | d | Co. S. P. | 0 ☌ 56 | 3 ✶ 58 | | 3 ✶ 49 | 23 ✶ 34 | | △ ♄ ♂. | 5 |
| 26 | e | Polycar. | | | 20 ✶ 19 | | | 4 ☌ 6 | | 6 |
| 27 | f | J. Chry. | | | | 6 □ 54 | | | ✶ ☉ ♄ | 7 |
| 28 | g | Car. Ma. | | | | | 6 □ 27 | | | 8 |
| 29 | a | Valerius | 14 ✶ 6 | 9 ☌ 46 | | 14 △ 41 | | | | 9 |
| 30 | b | 4 aſt. Ep. | | | | | 16 △ 38 | | ✶ ☾ ♂ | 10 |
| 31 | c | Cyriac. | | | 8 ☌ 33 | | | 2 ✶ 3 | | 11 |

| | D | ♄ | ♈ | ♃ | ♉ | ♂ | ♍ | ☉ | ♋ | ♀ | ♌ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 22 | 25 | 21 | 39 | 3 | 6 | 21 | 27 | 26 | 10 | 16 | ♎ 13 | 1 ✶ ♃ ☉. 2 □ ♄ ☽ |
| | 6 | 22 | 36 | 22 | 6 | 5 | 32 | 26 | 33 | 4 | ♏ 15 | 2 | ♏ 38 | 3 □ ♄ ♀. 3 △ ♃ ☿ |
| | 11 | 22 | 47 | 22 | 33 | 8 | 0 | 11 | ♌ 38 | 12 | 20 | 20 | 1 | 7 □ ♂ ☿. 11 □ ♃ ♀ |
| | 16 | 22 | 57 | 23 | 0 | 10 | 28 | 6 | 43 | 20 | 25 | 9 | ♐ 47 | 12 ✶ ♄ ♀. 16 △ ♂ ♀ |
| | 21 | 23 | 8 | 23 | 27 | 12 | 58 | 11 | 48 | 28 | 30 | 2 | ♑ 48 | 18 △ ♃ ♀. 20 □ ♂ ☉ |
| | 26 | 23 | 19 | 23 | 54 | 15 | 28 | 16 | 52 | 6 | 35 | 29 | 53 | 23 ✶ ♃ ♀. 25 ☌ ♄ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | ☽ | ☽ | Lat. | ☽ | ♄ | ♃ | ♅ | ♂ | ♂ | ♀ | ♀ | ☿ | ☿ | ♋ | ♋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ♈ | ′ | ° | ′ | ° | ′ |
| 1 | 22 | 56 | 21 | 14 | 3 | S 8 | 18 | 30 | 13 | 17 | 22 | 25 | 6 | 47 | 10 | 54 | 27 | 42 |
| 2 | 23 | 56 | 3 | ♊ 24 | 2 | 9 | 18 | 35 | 13 | 24 | 23 | 6 | 7 | 53 | 11 | 58 | 27 | 39 |
| 3 | 24 | 57 | 15 | 20 | 1 | 7 | 18 | 41 | 13 | 31 | 23 | 47 | 9 | 0 | 12 | 52 | 27 | 35 |
| 4 | 25 | 57 | 27 | 12 | 0 | 3 | 18 | 46 | 13 | 39 | 24 | 27 | 10 | 6 | 13 | 37 | 27 | 32 |
| 5 | 26 | 57 | 9 | ♋ 11 | 1 | N 2 | 18 | 51 | 13 | 46 | 25 | 8 | 11 | 13 | 14 | 12 | 27 | 29 |
| ☾ | 27 | 58 | 20 | 50 | 2 | 3 | 18 | 56 | 13 | 54 | 25 | 49 | 12 | 20 | 14 | 37 | 27 | 26 |
| 7 | 28 | 58 | 2 | ♌ 46 | 2 | 56 | 19 | 2 | 14 | 2 | 26 | 29 | 13 | 27 | 14 | 46 | 27 | 22 |
| 8 | 29 | 59 | 14 | 51 | 3 | 41 | 19 | 8 | 14 | 10 | 27 | 10 | 14 | 34 | 14 | 50 | 27 | 19 |
| 9 | ♓ 0 | 59 | 27 | 54 | 4 | 20 | 19 | 14 | 14 | 18 | 27 | 51 | 15 | 42 | 14 | Rk 48 | 27 | 16 |
| 10 | 2 | 0 | 9 | ♍ 29 | 4 | 47 | 19 | 20 | 14 | 26 | 28 | 32 | 16 | 48 | 14 | 40 | 27 | 13 |
| 11 | 3 | 0 | 22 | 25 | 5 | 2 | 19 | 26 | 14 | 34 | 29 | 12 | 17 | 56 | 14 | 23 | 27 | 10 |
| 12 | 4 | 0 | 4 | ♎ 51 | 5 | 3 | 19 | 32 | 14 | 43 | 29 | 53 | 19 | 4 | 13 | 55 | 27 | 7 |
| ☉ | 5 | 1 | 17 | 49 | 4 | 48 | 19 | 38 | 14 | 51 | 0 | ♑ 34 | 20 | 12 | 13 | 17 | 27 | 4 |
| 14 | 6 | 1 | 0 | ♏ 57 | 4 | 20 | 19 | 44 | 15 | 0 | 1 | 14 | 21 | 21 | 12 | 32 | 27 | 1 |
| 15 | 7 | 1 | 14 | 17 | 3 | 31 | 19 | 50 | 15 | 9 | 1 | 55 | 22 | 29 | 11 | 40 | 26 | 58 |
| 16 | 8 | 1 | 27 | 53 | 2 | 30 | 19 | 57 | 15 | 18 | 2 | 36 | 23 | 37 | 10 | 40 | 26 | 55 |
| 17 | 9 | 2 | 11 | ♐ 41 | 1 | 20 | 20 | 3 | 15 | 28 | 3 | 16 | 24 | 45 | 9 | 38 | 26 | 51 |
| 18 | 10 | 2 | 25 | 46 | 0 | 5 | 20 | 10 | 15 | 37 | 3 | 57 | 25 | 54 | 8 | 38 | 26 | 48 |
| 19 | 11 | 2 | 10 | ♑ 6 | 1 | S 11 | 20 | 16 | 15 | 47 | 4 | 38 | 27 | 2 | 7 | 40 | 26 | 45 |
| ☾ | 12 | 2 | 24 | 45 | 2 | 24 | 20 | 23 | 15 | 56 | 5 | 19 | 28 | 11 | 6 | 44 | 26 | 42 |
| 21 | 13 | 2 | 9 | ♒ 25 | 3 | 27 | 20 | 30 | 16 | 6 | 5 | 59 | 29 | 19 | 5 | 49 | 26 | 38 |
| 22 | 14 | 2 | 24 | 7 | 4 | 16 | 20 | 36 | 16 | 16 | 6 | 40 | 0 | ♒ 28 | 4 | 56 | 26 | 35 |
| 23 | 15 | 2 | 8 | ♓ 45 | 4 | 46 | 20 | 43 | 16 | 26 | 7 | 21 | 1 | 37 | 4 | 7 | 26 | 32 |
| 24 | 16 | 2 | 23 | 9 | 5 | 1 | 20 | 49 | 16 | 36 | 8 | 1 | 2 | 47 | 3 | 22 | 26 | 29 |
| 25 | 17 | 2 | 7 | ♈ 15 | 5 | 0 | 20 | 56 | 16 | 47 | 8 | 42 | 3 | 56 | 2 | 42 | 26 | 26 |
| 26 | 18 | 1 | 20 | 52 | 4 | 41 | 21 | 2 | 16 | 57 | 9 | 22 | 5 | 6 | 2 | 10 | 26 | 23 |
| ☾ | 19 | 1 | 4 | ♉ 8 | 4 | 3 | 21 | 9 | 17 | 7 | 10 | 3 | 6 | 15 | 1 | 42 | 26 | 19 |
| 28 | 20 | 1 | 16 | 57 | 3 | 17 | 21 | 15 | 17 | 17 | 10 | 43 | 7 | 25 | 1 | 20 | 26 | 16 |
| 29 | 21 | 0 | 29 | 22 | 2 | 21 | 21 | 22 | 17 | 27 | 11 | 24 | 8 | 35 | 1 | 8 | 26 | 13 |

## The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 23 | 0 | 55 | 0 | 12 | 33 | 0 | 49 | 1 | |
| 2 | 22 | 0 | 53 | 0 | 52 | 13 | 2 | 5 | 6 | |
| 2 | 21 | 0 | 52 | 0 | 101 | 52 | 3 | 12 | 11 | |
| 2 | 20 | 0 | 51 | 0 | 151 | 30 | 3 | 37 | 16 | |
| 2 | 19 | 0 | 50 | 0 | 201 | 8 | 3 | 16 | 21 | |
| 2 | 18 | 0 | 49 | 0 | 25 | 0 | 45 | 2 | 18 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | d | Bridget | 3 □ 40 | | | | | | * Pleiades ☌ ☽, | 12 |
| 2 | e | *Pu.V.M* | | | | | | 18 □ 38 | at 9 ho. 7′ | 13 |
| 3 | f | Blaſe | 21 △ 15 | 6 ✶ 48 | | 18 ♌ 7 | | | | 14 |
| 4 | g | Veron. | | | | | | | ✶ ♃ ☿ | 15 |
| 5 | a | Agatha. | | 20 □ 5 | 9 ✶ 48 | | 4 ♍ 55 | 10 △ 55 | * Shi. Harp ☌ ♀ | 16 |
| 6 | b | *Laſt.Ep.* | | | | | | | at 9 ho. 32′ A. M. | 17 |
| 7 | c | Zachar. | | | 1 □ 18 | | | | △ ♃ ♀ | 18 |
| 8 | d | Corint. | | 8 △ 29 | | | | | ✶ ♀ ☿ | 19 |
| 9 | e | Apollon | 8 ♍ 15 | | | 1 △ 32 | | | | 20 |
| 10 | f | Schol. | | | 9 △ 35 | | 15 △ 22 | 9 ♍ 50 | | 21 |
| 11 | g | Euphr. | | | | 14 □ 11 | | | ✶ ♃ ♅ | 22 |
| 12 | a | Eufrace | | | | | | | □ ♄ ♀ | 23 |
| 13 | b | *Septuag.* | | 3 ♍ 20 | | | 4 □ 46 | | * Arcturus ☌ ☽, | 24 |
| 14 | c | Valent. | 9 △ 52 | | | 0 ✶ 33 | | 19 △ 36 | at 4 ho. 11′ | 25 |
| 15 | d | Fauſtin. | | | 1 ♍ 31 | | 15 ✶ 47 | | * N. Billance, | 26 |
| 16 | e | Juliana. | 19 □ 0 | | | | | 20 □ 42 | ☌ ☽, at 1 ho. 14′ | 27 |
| 17 | f | Dioſco. | | 14 △ 23 | | | | | ☌ ☉ ♀ | 28 |
| 18 | g | Concor. | | | | 14 ☌ 23 | | 20 ✶ 5 | 19 day Swans mou. | 29 |
| 19 | a | Romin. | 1 ✶ 38 | 16 □ 48 | 9 △ 24 | | | *Orien.* | ☌ ♀, at 3 ho. 8′ | 1 |
| 20 | b | *Sexageſ* | | | | | 6 ☌ 6 | | □ ☌ ☿ | |
| 21 | c | Elayas | | 18 ✶ 19 | 11 □ 2 | | | | | *March* |
| 22 | d | Ciner. | | | | 22 ✶ 6 | | 16 ☌ 42 | * Fomahant | |
| 23 | e | Serenus | 11 ☌ 16 | | 12 ✶ 56 | | | | ☌ ☽, at 9 ho. 5′ | |
| 24 | f | S. *Matr.* | | | | | 16 ✶ 32 | | ✶ ♃ ☉ | 6 |
| 25 | f | Inv. Pa. | | | | 2 □ 41 | | | * Head Andromeda | 7 |
| 26 | g | Sime. B. | | 0 ☌ 20 | | | | 19 ✶ 44 | ☌ ☽, at 5 ho. 16′ | 8 |
| 27 | a | *Quinqu.* | | | | 11 △ 42 | 4 □ 21 | | 28 day Shi. Harp | 9 |
| 28 | b | Roman. | 7 ✶ 7 | | 0 ☌ 40 | | | | ☌ ☌, at 15 ho 48′ | 10 |
| 29 | c | Fortun. | | | | | 20 △ 33 | 3 □ 29 | | 11 |

| | D | ♄ | ♈ | ♃ | ♉ | ♂ | ♍ | ☉ | ♎ | ♀ | ♏ | ☿ | ♊ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 23 | 31 | 24 | 26 | 18 | 31 | 22 | 56 | 16 | 12 | 6 | 11 54 | 1 △ ♄ ☉. 3 ✶ ♄ ♀ |
| | 6 | 23 | 42 | 24 | 53 | 21 | 4 | 27 | 58 | 24 | 13 | 8 | ♋ 35 | 3 □ ♃ ☉. 5 ☌ ♄ ♀ |
| | 11 | 23 | 53 | 25 | 19 | 23 | 40 | 3 | ♍ 0 | 2 | ♍ 14 | 7 | ♌ 55 | 8 □ ♄ ☿. 8 ✶ ♃ ☿ |
| | 16 | 24 | 3 | 25 | 46 | 26 | 15 | 8 | 1 | 10 | 15 | 3 | ♍ 16 | 8 △ ☌ ♀. 13 □ ☌ ♀ |
| | 21 | 24 | 14 | 26 | 13 | 28 | 53 | 13 | 2 | 18 | 15 | 24 | 49 | 14 △ ♄ ☿. 15 ☍ ♃ ♀ |
| | 26 | 24 | 24 | 26 | 40 | 1 | ♎ 30 | 18 | 1 | 26 | 14 | 16 | ♎ 41 | 21 △ ♃ ☿. 26 ☍ ♃ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♂ | ♀ | ☿ | ☊ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | ♓ 22 0 | ♊ 11 35 | 1 19 | 21 29 | 17 37 | 12 4 | 9 45 | 1 2 | ♈ 26 10 |
| 2 | 23 0 | 23 31 | 0 15 | 21 36 | 17 48 | 12 45 | 10 55 | 0 56 | 26 6 |
| 3 | 23 59 | ♋ 5 21 | 0 N 48 | 21 43 | 17 58 | 13 26 | 12 5 | 1 D 3 | 26 3 |
| 4 | 24 59 | 17 9 | 1 50 | 21 50 | 18 9 | 14 6 | 13 15 | 1 13 | 26 0 |
| ☉ 5 | 25 59 | 29 2 | 2 48 | 21 58 | 18 20 | 14 47 | 14 24 | 1 28 | 25 57 |
| 6 | 26 58 | ♌ 10 58 | 3 37 | 22 5 | 18 31 | 15 28 | 15 34 | 1 50 | 25 53 |
| 7 | 27 58 | 23 7 | 4 17 | 22 12 | 18 42 | 16 9 | 16 45 | 2 17 | 25 50 |
| 8 | 28 57 | ♍ 5 30 | 4 45 | 22 20 | 18 53 | 16 49 | 17 55 | 2 49 | 25 47 |
| 9 | 29 57 | 18 6 | 5 0 | 22 27 | 19 5 | 17 30 | 19 5 | 3 24 | 25 44 |
| 10 | ♈ 0 56 | ♎ 1 14 | 4 59 | 22 35 | 19 16 | 18 11 | 20 16 | 4 4 | 25 41 |
| 11 | 1 55 | 14 9 | 4 46 | 22 42 | 19 28 | 18 51 | 21 26 | 4 44 | 25 38 |
| ☉ 12 | 2 55 | 27 29 | 4 18 | 22 50 | 19 40 | 19 32 | 22 37 | 5 31 | 25 35 |
| 13 | 3 54 | ♏ 11 2 | 3 36 | 22 57 | 19 52 | 20 13 | 23 47 | 6 20 | 25 32 |
| 14 | 4 54 | 24 41 | 2 37 | 23 5 | 20 4 | 20 54 | 24 58 | 7 11 | 25 28 |
| 15 | 5 53 | ♐ 8 30 | 1 31 | 23 12 | 20 16 | 21 34 | 26 9 | 8 5 | 25 25 |
| 16 | 6 52 | 22 23 | 0 16 | 23 20 | 20 28 | 22 15 | 27 19 | 9 1 | 25 22 |
| 17 | 7 51 | ♑ 6 26 | 1 S 0 | 23 27 | 20 41 | 22 56 | 28 30 | 10 0 | 25 19 |
| 18 | 8 50 | 20 31 | 2 12 | 23 35 | 20 53 | 23 37 | 29 41 | 11 4 | 25 16 |
| ☉ 19 | 9 49 | ♒ 4 40 | 3 18 | 23 43 | 21 5 | 24 18 | ♓ 0 52 | 12 11 | 25 13 |
| 20 | 10 48 | 18 53 | 4 8 | 23 50 | 21 18 | 24 58 | 2 3 | 13 21 | 25 10 |
| 21 | 11 47 | ♓ 3 6 | 4 45 | 23 58 | 21 30 | 39 | 3 14 | 14 34 | 25 6 |
| 22 | 12 46 | 17 17 | 5 1 | 24 5 | 21 42 | 26 20 | 4 25 | 15 48 | 25 3 |
| 23 | 13 45 | ♈ 1 16 | 5 1 | 24 13 | 21 54 | 27 1 | 5 36 | 17 4 | 25 0 |
| 24 | 14 44 | 15 11 | 4 42 | 24 20 | 22 6 | 27 42 | 6 47 | 18 21 | 24 57 |
| 25 | 15 42 | 28 46 | 4 10 | 24 28 | 22 19 | 28 23 | 7 58 | 19 40 | 24 53 |
| ☉ 26 | 16 40 | ♉ 11 49 | 3 27 | 24 35 | 22 31 | 29 3 | 9 9 | 21 1 | 24 50 |
| 27 | 17 40 | 24 41 | 2 33 | 24 43 | 22 43 | 29 44 | 10 21 | 22 24 | 24 47 |
| 28 | 18 39 | ♊ 7 14 | 1 31 | 24 51 | 22 56 | ♓ 0 25 | 11 32 | 23 49 | 24 44 |
| 29 | 19 38 | 19 27 | 0 28 | 24 58 | 23 8 | 1 6 | 12 43 | 25 16 | 24 40 |
| 30 | 20 36 | ♋ 1 30 | 0 N 38 | 25 5 | 23 20 | 1 47 | 13 55 | 26 45 | 24 37 |
| 31 | 21 35 | 13 22 | 1 41 | 25 13 | 23 33 | 2 28 | 15 6 | 28 16 | 24 34 |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 18 | 0 | 48 | 0 | 31 | 0 | 30 | 1 | 23 | 1 |
| 2 | 17 | 0 | 47 | 0 | 37 | 0 | 14 | 0 | 13 | 6 |
| 2 | 17 | 0 | 46 | 0 | 43 | 0 | S 10 | 0 | S 34 | 11 |
| 2 | 16 | 0 | 45 | 0 | 49 | 0 | 26 | 1 | 33 | 16 |
| 2 | 16 | 0 | 45 | 0 | 56 | 0 | 42 | 2 | 6 | 21 |
| 2 | 16 | 0 | 44 | 1 | 3 | 0 | 54 | 2 | 28 | 26 |

## The Lunar Aſpects.

| Ju. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets Mutual Aſpects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | DavidB. | 1 □ 0 | 20 ✱ 5 | | | | | *Mid. *Ori. Belt | 12 |
| 2 | E | Ced. B. | | | | | | 15 △ 14 | ☌ ☽, at 15 ho. 37′ | 13 |
| 3 | F | Mauri. | | | | 17 8 25 | | | *Sirius ☌ ☽, at | 14 |
| 4 | G | Adrian | 17 △ 20 | 9 □ 32 | 2 ✱ 0 | | | | 9 ho. 31′ | 15 |
| 5 | A | *Quadr.* | | | | | | | *Præcepe ☌ ☽, | 16 |
| 6 | B | Victor. | | 22 △ 10 | 15 □ 8 | | 10 8 0 | | at 8 ho. 21′ | 17 |
| 7 | C | Perpet. | | | | | | 18 8 35 | *Cor ♌ ☌ ☽, at | 18 |
| 8 | D | Fælix | | | | 22 △ 48 | | | 5 ho. 5′ | 19 |
| 9 | E | Apollon | 23 8 50 | | 1 △ 51 | | | | □ ♃ ♀ | 20 |
| 10 | F | Agapit. | | | | | | | | 21 |
| 11 | G | 40 Mar. | | 15 8 34 | | 8 □ 55 | 14 △ 22 | | | 22 |
| 12 | A | a *S. Lent* | | | | | | 15 △ 9 | ✱ ♄ ♀. △ ♃ ♂ | 23 |
| 13 | B | Euphr. | | | 15 8 40 | 17 ✱ 0 | | | *N. Ballance | 24 |
| 14 | C | Theod. | 19 △ 10 | | | | 0 □ 32 | 23 □ 10 | ☌ ☽, at 7 ho. 24′ | 25 |
| 15 | D | Eufrac. | | | | | | | *Head Hercules | 26 |
| 16 | E | Hilarius | | 1 △ 37 | | | 9 ✱ 12 | | ☌ ☽, at 6 ho. 01′ | 27 |
| 17 | F | Gertr. | 2 □ 36 | | | | | 6 ✱ 36 | | 28 |
| 18 | G | Edw. R. | | 5 □ 17 | ♍ △ 41 | 5 ☌ 32 | | | □ ♄ ☌ | 29 |
| 19 | A | 3 *S. Lent* | 9 ✱ 21 | | | | | | No. Ballance | 30 |
| 20 | B | Cuthb. | | 8 ✱ 26 | 4 □ 10 | | | | 15° 14′ 36″ ♏ | 31 |
| 21 | C | Bened. | | | | | ♍ ☌ 15 | 21 ☌ 16 | | 1 |
| 22 | D | Aphro. | | | 7 ✱ 40 | 16 ✱ 18 | | | | *April* |
| 23 | E | Theod. | 23 ☌ 10 | | | | | | *Head of Algol | |
| 24 | F | Sophia | | 16 ☌ 20 | | 23 □ 11 | | | ☌ ♃, at 20 h. 00′ | |
| 25 | G | *An. V. M.* | | | | | 18 ✱ 36 | | 23 day Sw. mouth | 5 |
| 26 | A | *M. L. Su.* | | | 20 ☌ 15 | | | 19 ✱ 12 | ☌ ☌, at 5 ho. 51′ | 6 |
| 27 | B | Mercian | | | | 10 △ 13 | | | ✱ ♃ ♀ | 7 |
| 28 | C | Rupert | | | | | 9 □ 21 | | | 8 |
| 29 | D | Victor. | ♍ ✱ 22 | 11 ✱ 5 | | | | 13 □ 11 | *Scheat ☌ ♀, at | 9 |
| 30 | E | Fælix | | | | | | | Noon | 10 |
| 31 | F | Quirin. | 18 □ 16 | | 21 ✱ 4 | | 3 △ 55 | | | 11 |

| | ☽ | ♄ | ♈ | ♃ | ☿ | ♂ | ♐ | ☉ | ♍ | ♀ | ♐ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 24 | 31 | 27 | 0 | 3 | 40 | 22 | 0 | 2 | 36 | 26 | ♎ 54 | 2 ♀ ☌ ☌. 5 ✱ ♀ ♀ |
| | 6 | 24 | 42 | 27 | 27 | 6 | 20 | 26 | 58 | 10 | 34 | 12 | ♍ 17 | 13 8 ♃ ♀. 15 △ ♄ ♀ |
| | 11 | 24 | 53 | 27 | 53 | 9 | 4 | 1 | ♎ 55 | 18 | 31 | 23 | 25 | 16 ☌ ☌ ♀. 28 ☌ ♀ ♀ |
| | 16 | 25 | 3 | 28 | 19 | 11 | 47 | 6 | 52 | 26 | 27 | 10 | ♐ 26 | 31 □ ♄ ♀. 28 □ ☉ ♀ |
| | 21 | 25 | 14 | 28 | 46 | 14 | 34 | 11 | 47 | 4 | ♑ 23 | 24 | 9 | 22 △ ♄ ♀. 30 ✱ ☌ ☉ |
| | 26 | 25 | 25 | 29 | 13 | 17 | 22 | 16 | 40 | 12 | 19 | 8 | ♑ 15 | 9 ✱ ☉ ♀. |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | ☊ | Lat. | ♄ | ♃ | ♅ | ♂ | ♂ | ♀ | ♀ | ☿ | ☿ | ☊ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 22 34 | 25 11 | 2 N | 42 | 25 20 | 23 45 | 3 8 | 16 18 | 29 49 | 24 31 |
| ☉ | 23 32 | 6 ♌ 53 | 3 | 30 | 25 28 | 23 58 | 3 48 | 17 29 | 1 ♈ 23 | 24 27 |
| 3 | 24 31 | 18 59 | 4 | 12 | 25 35 | 24 11 | 4 28 | 18 41 | 2 58 | 24 24 |
| 4 | 25 29 | 1 ♍ 12 | 4 | 46 | 25 43 | 24 25 | 5 9 | 19 53 | 4 35 | 24 21 |
| 5 | 26 28 | 13 45 | 5 | 3 | 25 50 | 24 39 | 5 49 | 21 4 | 6 14 | 24 18 |
| 6 | 27 26 | 26 27 | 5 | 5 | 25 58 | 24 52 | 6 29 | 22 16 | 7 55 | 24 14 |
| 7 | 28 25 | 9 ♎ 33 | 4 | 52 | 26 5 | 25 6 | 7 10 | 23 28 | 9 36 | 24 11 |
| 8 | 29 23 | 23 0 | 4 | 24 | 26 13 | 25 20 | 7 50 | 24 40 | 11 22 | 24 8 |
| ☉ | 0 ♉ 22 | 6 ♏ 45 | 3 | 40 | 26 20 | 25 34 | 8 30 | 25 52 | 13 8 | 24 5 |
| 10 | 1 20 | 20 42 | 2 | 47 | 26 28 | 25 48 | 9 11 | 27 4 | 14 55 | 24 2 |
| 11 | 2 18 | 4 ♐ 50 | 1 | 40 | 26 35 | 26 2 | 9 51 | 28 16 | 16 42 | 23 59 |
| 12 | 3 16 | 19 6 | 0 | 27 | 26 43 | 26 15 | 10 31 | 29 28 | 18 31 | 23 56 |
| 13 | 4 15 | 3 ♑ 15 | 0 S | 50 | 26 50 | 26 29 | 11 11 | 0 ♈ 40 | 20 23 | 23 52 |
| 14 | 5 14 | 17 26 | 2 | 3 | 26 58 | 26 43 | 11 51 | 1 52 | 22 16 | 23 49 |
| 15 | 6 12 | 1 ♒ 33 | 3 | 11 | 27 5 | 26 57 | 12 31 | 3 4 | 24 12 | 23 46 |
| ☉ | 7 10 | 15 35 | 4 | 5 | 27 13 | 27 11 | 13 12 | 4 16 | 26 10 | 23 43 |
| 17 | 8 8 | 29 29 | 4 | 45 | 27 20 | 27 25 | 13 52 | 5 28 | 28 9 | 23 40 |
| 18 | 9 6 | 13 ♓ 16 | 5 | 5 | 27 28 | 27 38 | 14 32 | 6 40 | 0 ♉ 9 | 23 37 |
| 19 | 10 4 | 26 59 | 5 | 9 | 27 35 | 27 52 | 15 12 | 7 52 | 2 11 | 23 33 |
| 20 | 11 2 | 10 ♈ 34 | 4 | 49 | 27 43 | 28 6 | 15 51 | 9 4 | 4 15 | 23 30 |
| 21 | 12 0 | 23 59 | 4 | 22 | 27 50 | 28 20 | 16 31 | 10 16 | 6 21 | 23 27 |
| 22 | 12 58 | 7 ♉ 13 | 3 | 36 | 27 58 | 28 34 | 17 11 | 11 29 | 8 29 | 23 24 |
| ☉ | 13 56 | 20 12 | 2 | 43 | 28 5 | 28 48 | 17 50 | 12 41 | 10 37 | 23 21 |
| 24 | 14 54 | 2 ♊ 55 | 1 | 44 | 28 13 | 29 2 | 18 30 | 13 53 | 12 47 | 23 18 |
| 25 | 15 52 | 15 30 | 0 | 42 | 28 20 | 29 16 | 19 9 | 15 5 | 14 57 | 23 15 |
| 26 | 16 50 | 27 45 | 0 N | 25 | 28 28 | 29 29 | 19 49 | 16 17 | 17 8 | 23 12 |
| 27 | 17 48 | 9 ♋ 42 | 1 | 27 | 28 35 | 29 43 | 20 28 | 17 30 | 19 17 | 23 8 |
| 28 | 18 46 | 21 36 | 2 | 27 | 28 43 | 29 57 | 21 8 | 18 42 | 21 30 | 23 5 |
| 29 | 19 43 | 3 ♌ 27 | 3 | 22 | 28 50 | 0 ♊ 11 | 21 47 | 19 54 | 23 44 | 23 2 |
| ☉ | 20 41 | 15 18 | 4 | 7 | 28 58 | 0 25 | 22 27 | 21 7 | 25 59 | 22 59 |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | S | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 16 | 0 | 43 | 1 | 10 | 1 | 13 | 2 | 32 | 1 |
| 2 | 16 | 0 | 42 | 1 | 17 | 1 | 23 | 2 | 24 | 6 |
| 2 | 16 | 0 | 41 | 1 | 25 | 1 | 31 | 2 | 3 | 11 |
| 2 | 16 | 0 | 41 | 1 | 33 | 1 | 36 | 1 | 39 | 16 |
| 2 | 16 | 0 | 40 | 1 | 41 | 1 | 43 | 0 | 18 | 21 |
| 2 | 16 | 0 | 39 | 1 | 49 | 1 | 45 | 0 | N 5 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Theod. | | ☌ 18 | | 17 8 18 | | 10△58 | * Præcepe ☌ ☽, | 12 |
| 2 | A | S. Lent | | | | | | | at 16 ho. 30' | 13 |
| 3 | b | Ulpian | 11△54 | 12△26 | 10□24 | | | | | 14 |
| 4 | c | Ambro. | | | | | | | ☌ ♄ ☉. ✶☌ ☿ | 15 |
| 5 | d | Martin. | | Orien. | 21△30 | | 15 8 17 | | * Tail ☋ ☌ ☽ | 16 |
| 6 | e | Sixtus | | | | 19△22 | | | at 7 ho. 5' | 17 |
| 7 | f | Egeſip. | | | | | | 0 8 10 | | 18 |
| 8 | g | Dionyſ. | 12 8 55 | 8 40 | | | | | ✶♃ ♀ | 19 |
| 9 | A | Pal. Sun. | | | | 3 □ 9 | | | | 20 |
| 10 | b | Ezekiel | | | 8 856 | | 11△50 | | * Pleiades ☌ ♃, | 21 |
| 11 | c | Leo Pa. | | | | 8 ✶51 | | 22△50 | at 5 ho. 9' | 22 |
| 12 | d | Julius | | 13△ 2 | | | 19□14 | | | 23 |
| 13 | e | Juſtinus | 1 △49 | | | | | | | 24 |
| 14 | f | Tibert. | | 19□46 | 16△ 2 | | | 9 □32 | * Swans mouth | 25 |
| 15 | g | Perpet. | 8 □33 | | | 19☌44 | 2 ✶50 | | ☌ ☽, at 16 ho. 38' | 26 |
| 16 | A | Ea. Day | | 20✶17 | 20□22 | | | 21✶21 | ☌ ♄ ☿ | 27 |
| 17 | b | Anicet. | | | | | | | | 28 |
| 18 | c | Eluther | 18✶ 0 | | | | | | * Fomahant ☌ ☽, | 29 |
| 19 | d | Tim. D. | | | 1 ✶24 | | 21☌ 7 | | 18' paſt Noon | 30 |
| 20 | e | Ap. Ep. | | | | 9 ✶57 | | | | 1 |
| 21 | f | Simeon | | 7 ☌ 0 | | | | | * Gird. Andromed. | |
| 22 | g | Quint. | 11☌30 | | | 19□23 | | 2 ☌49 | ☌ ☽, at 4 ho. 10' | |
| 23 | A | L. Sund. | | | 16☌27 | | | | S. GEORGE | May |
| 24 | b | Albert. | | | | | 23✶10 | | | |
| 25 | c | S. Mark | | | | 7 △35 | | | ☌ ☉ ☿ | 6 |
| 26 | d | Cletus | | 1 ✶26 | | | | Occid. | | 7 |
| 27 | e | Anaſt. | 17✶47 | | | | 17□36 | 23✶48 | □ ☌ ☿ | 8 |
| 28 | f | Vitalis | | 14□33 | 17✶19 | | | | | 9 |
| 29 | g | P. Mart. | | | | | | | 28 day Head Algol | 10 |
| 30 | A | Eutrop. | 9 □38 | | | 15 8 19 | 13△10 | | ☌ ☿, 6 ho. 5' | 11 |

| | D | ♄ | ♈ | ♃ | ☌ | ♂ | ♐ | ☉ | ♎ | ♀ | ♍ | ☿ | ♍ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 25 | 37 | 29 | 45 | 20 | 43 | 22 | 34 | 21 | 48 | 26 | ♍18 | 1□♄ ♀. 2△♃ ☿ |
| | 6 | 25 | 47 | 0 | ♏12 | 23 | 33 | 27 | 26 | 29 | 44 | 12 | ♒56 | 4☌♄ ☉. 9✶☌ ☿ |
| | 11 | 25 | 58 | 0 | 39 | 26 | 24 | 2 | ♏18 | 7 | ♒39 | 1 | ♓41 | 9✶♄ ☿. 10△♄ ☌ |
| | 16 | 26 | 9 | 1 | 6 | 29 | 16 | 7 | 10 | 15 | 34 | 23 | 18 | 11□♃ ♀. 14△☉ ☌ |
| | 21 | 26 | 19 | 1 | 32 | 2 | 12 | 12 | 0 | 23 | 28 | 18 | ♈45 | 18□☌ ♀. 23☌ ♄ ♀ |
| | 26 | 26 | 30 | 1 | 59 | 5 | ♍8 | 6 | 16 | 50 | 1 | ♓23 | 18 | ♉10 | 24✶♄ ♀ |

MAY

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☿ | ☽ | ♀ | Lat. ☽ | ♄ | ♈ | ♃ | ♊ | ♂ | ♒ | ♀ | ♈ | ☿ | ☿ | ♌ | ♊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | |
| 1 | 21 | 39 | 27 | 10 | 4 N | 44 | 29 | 5 | 0 | 39 | 23 | 6 | 22 | 19 | 28 | 5 | 22 50 |
| 2 | 22 | 36 | 9 | ♑16 | 5 | 3 | 29 | 13 | 0 | 53 | 23 | 46 | 23 | 32 | 0 | ♋11 | 22 52 |
| 3 | 23 | 34 | 21 | 40 | 5 | 11 | 29 | 20 | 1 | 7 | 24 | 25 | 24 | 44 | 2 | 16 | 22 49 |
| 4 | 24 | 32 | 4 | ♒22 | 5 | 3 | 29 | 27 | 1 | 21 | 25 | 4 | 25 | 57 | 4 | 20 | 22 46 |
| 5 | 25 | 30 | 17 | 30 | 4 | 40 | 29 | 34 | 1 | 34 | 25 | 43 | 27 | 9 | 6 | 23 | 22 42 |
| 6 | 26 | 28 | 1 | ♏ 33 | 3 | 58 | 29 | 41 | 1 | 48 | 26 | 22 | 28 | 22 | 8 | 25 | 22 29 |
| ☉ | 27 | 25 | 14 | 58 | 3 | 6 | 29 | 48 | 2 | 2 | 27 | 0 | 29 | 34 | 10 | 26 | 22 36 |
| 8 | 28 | 23 | 29 | 14 | 1 | 58 | 29 | 55 | 2 | 16 | 27 | 39 | 0 | ♉47 | 12 | 25 | 22 33 |
| 9 | 29 | 21 | 13 | ♐53 | 0 | 44 | 0 | ♉ 22 | 2 | 30 | 28 | 17 | 1 | 59 | 14 | 22 | 22 30 |
| 10 | 0 | ♌18 | 28 | 35 | 0 S | 32 | 0 | 9 | 2 | 44 | 28 | 55 | 3 | 12 | 16 | 17 | 22 27 |
| 11 | 1 | 16 | 13 | ♑16 | 1 | 48 | 0 | 16 | 2 | 58 | 29 | 33 | 4 | 25 | 18 | 11 | 22 24 |
| 12 | 2 | 13 | 27 | 52 | 2 | 58 | 0 | 23 | 3 | 12 | 0 | ♓11 | 5 | 37 | 20 | 1 | 22 20 |
| 13 | 3 | 11 | 12 | ♒13 | 3 | 58 | 0 | 30 | 3 | 26 | 0 | 49 | 6 | 50 | 21 | 47 | 22 17 |
| ☉ | 4 | 9 | 26 | 26 | 4 | 42 | 0 | 37 | 3 | 39 | 1 | 27 | 8 | 3 | 23 | 28 | 22 14 |
| 15 | 5 | 6 | 10 | ♓17 | 5 | 9 | 0 | 44 | 3 | 53 | 2 | 4 | 9 | 15 | 25 | 5 | 22 11 |
| 16 | 6 | 4 | 23 | 54 | 5 | 12 | 0 | 51 | 4 | 7 | 2 | 42 | 10 | 28 | 26 | 37 | 22 8 |
| 17 | 7 | 1 | 7 | ♈15 | 5 | 0 | 0 | 57 | 4 | 21 | 3 | 20 | 11 | 40 | 28 | 6 | 22 5 |
| 18 | 7 | 58 | 20 | 24 | 4 | 32 | 1 | 4 | 4 | 35 | 3 | 57 | 12 | 53 | 29 | 33 | 22 2 |
| 19 | 8 | 56 | 3 | ♉24 | 3 | 48 | 1 | 11 | 4 | 49 | 4 | 34 | 14 | 5 | 0 | ♍58 | 21 58 |
| 20 | 9 | 53 | 16 | 15 | 2 | 55 | 1 | 17 | 5 | 3 | 5 | 12 | 15 | 18 | 2 | 21 | 21 55 |
| ☉ | 10 | 50 | 28 | 54 | 1 | 56 | 1 | 24 | 5 | 17 | 5 | 49 | 16 | 31 | 3 | 42 | 21 52 |
| 22 | 11 | 47 | 11 | ♊21 | 0 | 55 | 1 | 30 | 5 | 31 | 6 | 27 | 17 | 44 | 5 | 0 | 21 49 |
| 23 | 12 | 45 | 23 | 37 | 0 N | 10 | 1 | 37 | 5 | 45 | 7 | 4 | 18 | 56 | 6 | 14 | 21 45 |
| 24 | 13 | 42 | 5 | ♋49 | 1 | 13 | 1 | 43 | 5 | 58 | 7 | 42 | 20 | 9 | 7 | 25 | 21 42 |
| 25 | 14 | 40 | 17 | 42 | 2 | 14 | 1 | 49 | 6 | 12 | 8 | 19 | 21 | 22 | 8 | 33 | 21 39 |
| 26 | 15 | 37 | 29 | 34 | 3 | 10 | 1 | 55 | 6 | 26 | 8 | 56 | 22 | 34 | 9 | 38 | 21 36 |
| 27 | 16 | 35 | 11 | ♌22 | 3 | 56 | 2 | 2 | 6 | 40 | 9 | 32 | 23 | 47 | 10 | 39 | 21 32 |
| ☉ | 17 | 32 | 23 | 13 | 4 | 34 | 2 | 8 | 6 | 54 | 10 | 9 | 25 | 0 | 11 | 37 | 21 29 |
| 29 | 18 | 29 | 5 | ♑11 | 5 | 0 | 2 | 14 | 7 | 7 | 10 | 45 | 26 | 12 | 12 | 37 | 21 26 |
| 30 | 19 | 26 | 17 | 17 | 5 | 16 | 2 | 20 | 7 | 21 | 11 | 21 | 27 | 25 | 13 | 24 | 21 23 |
| 31 | 20 | 23 | 29 | 45 | 5 | 9 | 2 | 26 | 7 | 35 | 11 | 57 | 28 | 37 | 14 | 7 | 21 20 |

## The Latitude of the Planets

| ♄ | | ♃ | | ♂ | | ♀ | | ☿ | | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | S 17 | ♌ | 39 | ♍ | 57 | 1 | 44 | 0 | N 56 | 1 |
| 2 | 17 | ♌ | 38 | ♎ | 6 | 1 | 42 | 1 | 37 | 6 |
| 2 | 18 | 0 | 38 | 2 | 15 | 1 | 38 | 2 | 2 | 11 |
| 2 | 18 | 0 | 37 | 2 | 25 | 1 | 33 | 2 | 10 | 16 |
| 2 | 19 | 0 | 37 | 2 | 35 | 1 | 27 | 1 | 58 | 21 |
| 2 | 19 | 0 | 36 | 2 | 45 | 1 | 19 | 1 | 26 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid. | ♂ Orien. | ♀ Orien. | ☿ Occid. | Planets Mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | b | Ph.& Ja | | 3 △51 | 7 □ 6 | | | 2 □15 | | 12 |
| 2 | c | Athan. | | | | | | | ☌♃☿. ✶☌♀ | 13 |
| 3 | d | Inv.Cr. | 3 △54 | | 17△52 | | | 23△57 | * Gird. Andromed. | 14 |
| 4 | e | Chriſto. | | | | | | | ☌♀, at 6 ho. 20′ | 15 |
| 5 | f | Gothar. | | 21 8 34 | | 15△17 | 21 8 8 | | | 16 |
| 6 | g | Jo. P.L. | | | | | | | ☌♄♀ | 17 |
| 7 | a | 3p.East. | 22 8 30 | | | 21□19 | | | | 18 |
| 8 | b | Staniſl. | | | 5 8 53 | | | | | 19 |
| 9 | c | Ephin. | | | | | | 0 8 54 | | 20 |
| 10 | d | Gordi. | | 2 △36 | | 0 ✶37 | 8 △16 | | * Schedir ☌♀, at | 21 |
| 11 | e | Mamert | | | | | | | 10 ho. 31′ | 22 |
| 12 | f | Pancar. | 7 △50 | 4 □15 | 9 △ 3 | | 14□11 | | ✶♄☌ | 23 |
| 13 | g | Servati. | | | | | | 18△19 | ☌♃☉ | 24 |
| 14 | a | 4p.East. | 14□21 | 7 ✶18 | 12□42 | 9 ☌ 6 | 22✶ 4 | | | 25 |
| 15 | b | Sophia | | | Orien. | | | | * Merchab. ☌☽, | 26 |
| 16 | c | Ubald. | 23✶32 | | 18✶41 | | | 5 □30 | at 16 ho. 00′ | 27 |
| 17 | d | Torpet. | | | | | | | | 28 |
| 18 | e | Venant. | | 19☌53 | | | | 18✶56 | | 29 |
| 19 | f | Dunſtan | | | | 2 ✶18 | 22☌ 0 | | ✶♄☿. □♃☌ | 30 |
| 20 | g | Poten. | | | | | | | | 31 |
| 21 | a | Ro. Sun. | | | 12☌31 | 13□50 | | | | 1 |
| 22 | b | Hoſpit. | 0 ☌57 | | | | | | ☉ Eclipſed inviſib. | June |
| 23 | c | Deſid. | | 15✶52 | | | | | | |
| 24 | d | Adelm. | | | | 4 △ 4 | | 3 ☌25 | △☌☿ | |
| 25 | e | Aſc.Day. | | | | | 8 ✶15 | | 22 day Aldebaran | 5 |
| 26 | f | Auguſt. | | 4 □29 | 14✶15 | | | | ☌♃, at | 6 |
| 27 | g | Beda V. | 11✶30 | | | | | | 13 ho. 44′ | 7 |
| 28 | a | 6p.East. | | 18△ 2 | | | 3 □58 | | | 8 |
| 29 | b | K.C. Na | | | 3 □55 | 11 8 35 | | 15✶33 | 28 day Pleiades | 9 |
| 30 | c | Wigan. | 4 □29 | | | | 21△35 | | ☌♀, at | 10 |
| 31 | d | Petron. | | | 15△ 2 | | | | 17 ho. 00′ | 11 |

| | D | ♄ | ♈ | ♃ | ♊ | ☌ | ♍ | ☉ | ♎ | ✶ | ♓ | ♀ | ♌ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 26 | 40 | 2 | 25 | 8 | 4 | 21 | 39 | 9 | 20 | 19 | ♌51 | 2✶♄♀. 4 8 ☌♀ |
| | 6 | 26 | 51 | 2 | 52 | 11 | 1 | 26 | 28 | 17 | 17 | 20 | ♍55 | 9✶♃♀. 13 8 ♃☉ |
| | 11 | 27 | 2 | 3 | 18 | 14 | 0 | 1 | ♎ | 16 | 25 | 14 | 18 | ♎43 | 13△♄☿. 14□♃♀ |
| | 16 | 27 | 12 | 3 | 45 | 17 | 0 | 6 | 4 | 3 | ♈12 | 12 | ♍25 | 16✶♃♀. 7□♄♀ |
| | 21 | 27 | 23 | 4 | 11 | 20 | 3 | 10 | 50 | 11 | 10 | 2 | ♎42 | 20△☉♀. 22△♃♀ |
| | 26 | 27 | 34 | 4 | 38 | 23 | 6 | 15 | 37 | 19 | 10 | 20 | 27 | 27□☌♀. 28 8 ♄♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☊ | ☽ | ♎ | Lat. | ☽ | ♄ | ♂ | ♃ | ♍ | ♂ | ♓ | ♀ | ♂ | ☿ | ♋ | ☊ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 21 | 20 | 12 | 28 | 4 N | 51 | 2 | 32 | 7 | 49 | 12 | 33 | 29 | 50 | 14 | 49 | 21 | 17 |
| 2 | 22 | 18 | 25 | 33 | 4 | 17 | 2 | 38 | 8 | 2 | 13 | 8 | 1 | 3 | 15 | 26 | 21 | 14 |
| 3 | 23 | 15 | 9 | 11 | 3 | 26 | 2 | 44 | 8 | 16 | 13 | 43 | 2 | 16 | 16 | 0 | 21 | 10 |
| ☉ | 24 | 12 | 23 | 25 | 2 | 23 | 2 | 50 | 8 | 30 | 14 | 18 | 3 | 29 | 16 | 31 | 21 | 7 |
| 5 | 25 | 9 | 7 | 47 | 1 | 14 | 2 | 55 | 8 | 43 | 14 | 53 | 4 | 41 | 16 | 58 | 21 | 4 |
| 6 | 26 | 6 | 22 | 33 | 0 S | 53 | 1 | 8 | 57 | 15 | 28 | 5 | 54 | 17 | 22 | 21 | 1 |
| 7 | 27 | 4 | 7 | 33 | 1 | 24 | 3 | 6 | 9 | 11 | 16 | 2 | 7 | 7 | 17 | 41 | 20 | 58 |
| 8 | 28 | 1 | 22 | 35 | 2 | 40 | 3 | 11 | 9 | 24 | 16 | 36 | 8 | 20 | 17 | 54 | 20 | 55 |
| 9 | 28 | 58 | 7 | 30 | 3 | 44 | 3 | 17 | 9 | 38 | 17 | 10 | 9 | 33 | 18 | 2 | 20 | 52 |
| 10 | 29 | 55 | 22 | 11 | 4 | 30 | 3 | 22 | 9 | 51 | 17 | 44 | 10 | 46 | 18 | Rx 5 | 20 | 48 |
| ☉ | 0 | ♋ 52 | 6 | ♓ 32 | 5 | 0 | 3 | 28 | 10 | 5 | 18 | 18 | 11 | 59 | 18 | 5 | 20 | 45 |
| 12 | 1 | 50 | 20 | 29 | 5 | 13 | 3 | 33 | 10 | 19 | 18 | 51 | 13 | 12 | 18 | 3 | 20 | 42 |
| 13 | 2 | 47 | 4 | ♈ 8 | 5 | 8 | 3 | 38 | 10 | 33 | 19 | 25 | 14 | 25 | 17 | 47 | 20 | 39 |
| 14 | 3 | 44 | 17 | 21 | 4 | 40 | 3 | 43 | 10 | 46 | 19 | 58 | 15 | 38 | 17 | 36 | 20 | 36 |
| 15 | 4 | 42 | 0 | ♉ 15 | 3 | 58 | 3 | 48 | 11 | 0 | 20 | 31 | 16 | 52 | 17 | 20 | 20 | 33 |
| 16 | 5 | 39 | 13 | 1 | 3 | 8 | 3 | 53 | 11 | 13 | 21 | 4 | 18 | 5 | 17 | 1 | 20 | 29 |
| 17 | 6 | 36 | 25 | 37 | 2 | 10 | 3 | 58 | 11 | 26 | 21 | 37 | 19 | 18 | 16 | 38 | 20 | 26 |
| ☉ | 7 | 33 | 8 | ♊ 1 | 1 | 6 | 4 | 3 | 11 | 39 | 22 | 10 | 20 | 31 | 16 | 8 | 20 | 23 |
| 19 | 8 | 30 | 20 | 15 | 0 | 1 | 4 | 8 | 11 | 52 | 22 | 42 | 21 | 44 | 15 | 35 | 20 | 20 |
| 20 | 9 | 27 | 2 | ♋ 22 | 1 N | 24 | 4 | 13 | 12 | 6 | 23 | 14 | 22 | 57 | 15 | 1 | 20 | 16 |
| 21 | 10 | 24 | 14 | 20 | 2 | 24 | 4 | 17 | 12 | 19 | 23 | 46 | 24 | 10 | 14 | 26 | 20 | 13 |
| 22 | 11 | 22 | 26 | 15 | 2 | 58 | 4 | 22 | 12 | 32 | 24 | 17 | 25 | 23 | 13 | 51 | 20 | 10 |
| 23 | 12 | 19 | 8 | ♌ 43 | | 45 | 4 | 26 | 12 | 45 | 24 | 48 | 26 | 37 | 13 | 16 | 20 | 7 |
| 24 | 13 | 16 | 19 | 54 | 4 | 28 | 4 | 30 | 12 | 58 | 25 | 18 | 27 | 50 | 12 | 41 | 20 | 4 |
| ☉ | 14 | 13 | 1 | ♍ 45 | 4 | 53 | 4 | 34 | 13 | 11 | 25 | 48 | 29 | 3 | 12 | 6 | 20 | 1 |
| 26 | 15 | 10 | 13 | 40 | 5 | 8 | 4 | 38 | 13 | 24 | 26 | 17 | 0 | ♋ 16 | 11 | 31 | 19 | 58 |
| 27 | 16 | 7 | 25 | 48 | 5 | 10 | 4 | 42 | 13 | 36 | 26 | 46 | 1 | 30 | 10 | 56 | 19 | 55 |
| 28 | 17 | 5 | 8 | ♎ 12 | 4 | 57 | 4 | 46 | 13 | 49 | 27 | 14 | 2 | 43 | 10 | 23 | 19 | 52 |
| 29 | 18 | 2 | 20 | 58 | 4 | 31 | 4 | 50 | 14 | 2 | 27 | 41 | 3 | 56 | 9 | 53 | 19 | 49 |
| 30 | 18 | 59 | 4 | ♏ 33 | | 44 | 4 | 54 | 14 | 15 | 28 | 8 | 5 | 10 | 9 | 28 | 19 | 45 |

**The Latitude of the Planets.**

| | ♄ | S | ♃ | S | ♂ | S | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 20 | 0 | 36 | 2 | 56 | 1 | 7 | 0 | 25 | 1 |
| | 2 | 21 | 0 | 36 | 3 | 6 | 0 | 56 | 0 S | 43 | 6 |
| | 2 | 22 | 0 | 35 | 3 | 17 | 0 | 45 | 2 | 0 | 11 |
| | 2 | 23 | 0 | 35 | 3 | 27 | 0 | 35 | 3 | 18 | 16 |
| | 2 | 24 | 0 | 35 | 3 | 37 | 0 | 24 | 4 | 18 | 21 |
| | 2 | 25 | 0 | 35 | 3 | 48 | 0 | 12 | 4 | 46 | 26 |

## The Lunar Aſpects.

| Ju. A. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Orient | ☿ Occid. | Planets mutual Aſpects. | R. ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | e | Nicom. | 17 △35 | | | | | 4 □32 | * Virgins Spick | 12 |
| 2 | f | Eraſm. | | 12 8 35 | | | | | ☌ ☽, at | 13 |
| 3 | g | Marcel. | | | | 7 △58 | | 11 ✶53 | 13 ho. 20′ | 14 |
| 4 | A | *Wh. Sun* | | | | | 18 8 22 | | | 15 |
| 5 | b | Bonif. | | | 1 8 31 | 12 □ 0 | | | | 16 |
| 6 | c | Artem. | 6 8 30 | 16 △48 | | | | | ☽ eclipſ. inviſible | 17 |
| 7 | d | Wolſt. | | | | 14 ✶ 4 | | 16 8 25 | | 18 |
| 8 | e | Medar. | | 17 □10 | | | | | | 19 |
| 9 | f | Edmo. | | | 3 △32 | | 3 △40 | | ☌ ♃ ♀ | 20 |
| 10 | g | Getul. | 13 △50 | 18 ✶ 51 | | | | | △ ♂ ♀ | 21 |
| 11 | A | *Tri. Sun.* | | | 6 □46 | 21 ☌ 5 | 10 □16 | 19 △54 | *St. Barnabas* | 22 |
| 12 | b | Antho. | 19 □34 | | | | | | | 23 |
| 13 | c | Cyrillus | | | 11 ✶ 51 | | 20 ✶ 34 | | | 24 |
| 14 | d | Baſil. E. | | | | | | 0 □28 | * Schedir ☌ ♄, | 25 |
| 15 | e | Vitus | 9 ✶ 26 | ☌ 44 | | | | | at 4 ho. 48′ | 26 |
| 16 | f | Richard | | | | 16 ✶ 1 | | 7 ✶ 23 | | 27 |
| 17 | g | Botolp. | | | | | | | * Pleiades ☌ ☽, | 28 |
| 18 | A | 1 *p. Tri.* | | | 7 ☌ 16 | | | | at 0 ho. 30′ | 29 |
| 19 | b | Gervaſe | | | | 5 □ 5 | 3 ☌ 16 | | | 30 |
| 20 | c | Tr. Ed. | 15 ☌ 28 | 3 ✶ 45 | | | | | □ ☌ ♀ | 1 |
| 21 | d | Walb. | | | | 19 △52 | | 0 ☌ 12 | 22 day Rigel | *July.* |
| 22 | e | Alban | | 16 □37 | | | | | ☌ ♃, at 22 h. 12′ | |
| 23 | f | Baſilius. | | | 9 ✶ 33 | | | | ☌ ☉ ♀ | |
| 24 | g | S. J. Ba. | | | | | 17 ✶ 56 | *Orien.* | | 5 |
| 25 | A | 2 *p. Tri.* | | 5 △43 | 23 □28 | | | 19 ✶ 55 | 23 day Scheat | 6 |
| 26 | b | Jo. & Pa. | 3 ✶ 14 | | | | | | ☌ ☌, at | 7 |
| 27 | c | 7 Sleep. | | | | 0 8 57 | 12 □15 | | 22 ho 24′ | 8 |
| 28 | d | Leo | 18 □ 1 | | 10 △44 | | | 3 □57 | | 9 |
| 29 | e | S. P. & Pa | | | | | | | ✶ ♄ ♀ | 10 |
| 30 | f | Co. Pau. | | 1 8 34 | | | 2 △15 | 9 △37 | | 11 |

| | D. | ♄ | ♈ | ♃ | ♊ | ♂ | ♍ | ☉ | ♐ | ♀ | ♈ | ☿ | ♏ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 27 | 46 | 5 | 8 | 26 | 47 | 21 | 20 | 28 | 45 | 9 | ♏ 24 |
| | 6 | 27 | 57 | 5 | 35 | 29 | 51 | 26 | 6 | 6 | ♉ 46 | 23 | 54 |
| | 11 | 28 | 8 | 6 | 1 | 2 | ♎ 57 | 0 | ♌ 52 | 14 | 48 | 7 | ♐ 47 |
| | 16 | 28 | 18 | 6 | 28 | 6 | 3 | 5 | 39 | 22 | 50 | 21 | 29 |
| | 21 | 28 | 29 | 6 | 54 | 9 | 13 | 10 | 24 | 0 | ♊ 53 | 5 | ♍ 28 |
| | 26 | 28 | 40 | 7 | 21 | 12 | 22 | 15 | 10 | 8 | 56 | 20 | 12 |

Heliocentr. Aſpects

1 ☌ ♄ ♀. 2 □ ♄ ☌
7 △ ♄ ☉. 8 ✶ ☌ ♀
9 □ ☌ ♀. 5 ☌ ♃ ♀
11 8 ♃ ♀. 16 △ ♃ ☌
18 △ ♄ ♀. 22 ☌ ☌ ♀.
28 □ ♄ ♀. 29 △ ☌ ♀

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☌ | ☽ | ☍ | Lat. ☽ | ♄ | ☌ | ♃ | ☌ | ♂ | ♓ | ♀ | ☌ | ☿ | ☌ | ☊ | ☌ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 57 | 17 | 34 | 2 N | 45 | 4 | 58 | 14 | 28 | 28 | 34 | 6 | 23 | 9 | 8 | 19 | 42 |
| ☉ 2 | 20 | 54 | 1 | ♐30 | 1 | 36 | 5 | 1 | 14 | 40 | 29 | 1 | 7 | 36 | 8 | 55 | 19 | 39 |
| 3 | 21 | 51 | 15 | 55 | 0 | 20 | 5 | 5 | 14 | 53 | 29 | 27 | 8 | 50 | 8 | 45 | 19 | 36 |
| 4 | 22 | 48 | 0 | ♑43 | 0 S | 58 | 5 | 8 | 15 | 5 | 29 | 43 | 10 | 3 | 8 | 43 | 19 | 33 |
| 5 | 23 | 45 | 15 | 45 | 2 | 13 | 5 | 11 | 15 | 18 | 0 | ♈19 | 11 | 17 | 8D | 43 | 19 | 29 |
| 6 | 24 | 43 | 0 | ♒55 | 3 | 19 | 5 | 14 | 15 | 30 | 0 | 45 | 12 | 30 | 8 | 45 | 19 | 26 |
| 7 | 25 | 40 | 16 | 11 | 4 | 14 | 5 | 17 | 15 | 42 | 1 | 11 | 13 | 44 | 8 | 57 | 19 | 23 |
| 8 | 26 | 37 | 1 | ♓11 | 4 | 50 | 5 | 20 | 15 | 54 | 1 | 36 | 14 | 57 | 9 | 13 | 19 | 20 |
| ☉ | 27 | 34 | 15 | 49 | 5 | 8 | 5 | 23 | 16 | 6 | 2 | 1 | 16 | 11 | 9 | 36 | 19 | 17 |
| 10 | 28 | 31 | 0 | ♈ 1 | 5 | 6 | 5 | 26 | 16 | 18 | 2 | 26 | 17 | 24 | 10 | 5 | 19 | 14 |
| 11 | 29 | 28 | 13 | 44 | 4 | 46 | 5 | 29 | 16 | 30 | 2 | 51 | 18 | 38 | 10 | 39 | 19 | 10 |
| 12 | 0♌ | 26 | 27 | 8 | 4 | 9 | 5 | 31 | 16 | 42 | 3 | 15 | 19 | 51 | 11 | 19 | 19 | 7 |
| 13 | 1 | 23 | 10 | ♉ 6 | 3 | 18 | 5 | 34 | 16 | 54 | 3 | 39 | 21 | 5 | 12 | 5 | 19 | 4 |
| 14 | 2 | 21 | 22 | 43 | 2 | 18 | 5 | 36 | 17 | 6 | 4 | 2 | 22 | 18 | 12 | 56 | 19 | 1 |
| 15 | 3 | 18 | 5 | ♊ 31 | 1 | 15 | 5 | 39 | 17 | 17 | 4 | 25 | 23 | 32 | 13 | 53 | 18 | 57 |
| ☉ | 4 | 15 | 17 | 11 | 0 | 10 | 5 | 41 | 17 | 29 | 4 | 46 | 24 | 45 | 14 | 57 | 18 | 54 |
| 17 | 5 | 13 | 29 | 12 | 0 N | 54 | 5 | 44 | 17 | 40 | 5 | 6 | 25 | 59 | 16 | 5 | 18 | 51 |
| 18 | 6 | 10 | 11 | ♋10 | 1 | 55 | 5 | 46 | 17 | 52 | 5 | 25 | 27 | 13 | 17 | 18 | 18 | 47 |
| 19 | 7 | 8 | 23 | 7 | 2 | 50 | 5 | 49 | 18 | 3 | 5 | 43 | 28 | 26 | 18 | 37 | 18 | 44 |
| 20 | 8 | 5 | 4 | ♌58 | 3 | 37 | 5 | 51 | 18 | 15 | 6 | 0 | 29 | 40 | 20 | 2 | 18 | 41 |
| 21 | 9 | 2 | 16 | 47 | 4 | 16 | 5 | 53 | 18 | 26 | 6 | 17 | 0♌ | 54 | 21 | 32 | 18 | 38 |
| 22 | 10 | 0 | 28 | 43 | 4 | 46 | 5 | 55 | 18 | 37 | 6 | 33 | 2 | 8 | 23 | 7 | 18 | 35 |
| ☉ | 10 | 57 | 10 | ♍42 | 5 | 25 | 5 | 57 | 18 | 47 | 6 | 49 | 3 | 22 | 24 | 47 | 18 | 32 |
| 24 | 11 | 54 | 22 | 50 | 5 | 11 | 5 | 58 | 18 | 58 | 7 | 4 | 4 | 35 | 26 | 30 | 18 | 28 |
| 25 | 12 | 52 | 5 | ♎ 34 | 4 | 56 | 5 | 59 | 19 | 8 | 7 | 19 | 5 | 49 | 28 | 15 | 18 | 25 |
| 26 | 13 | 49 | 17 | 30 | 4 | 31 | 6 | 0 | 19 | 19 | 7 | 33 | 7 | 3 | 0 | 4 | 18 | 22 |
| 27 | 14 | 47 | 0 | ♏11 | 3 | 52 | 6 | 1 | 19 | 29 | 7 | 47 | 8 | 17 | 1 | 56 | 18 | 19 |
| 28 | 15 | 44 | 13 | 14 | 3 | 2 | 6 | 2 | 19 | 40 | 8 | 1 | 9 | 31 | 3 | 49 | 18 | 16 |
| 29 | 16 | 42 | 26 | 37 | 1 | 57 | 6 | 3 | 19 | 50 | 8 | 14 | 10 | 45 | 5 | 44 | 18 | 12 |
| ☉ | 17 | 39 | 10 | ♐23 | 0 | 42 | 6 | 4 | 20 | 1 | 8 | 26 | 11 | 59 | 7 | 41 | 18 | 9 |
| 31 | 18 | 37 | 24 | 36 | 0 S | 34 | 6 | 5 | 20 | 11 | 8 | 38 | 12 | 12 | 9 | 40 | 18 | 6 |

### The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 26 | 0 | 35 | 3 | 59 | 0 | 44 | 4 | 35 | 1 |
| 2 | 27 | 0 | 34 | 4 | 11 | 0 | 16 | 3 | 51 | 6 |
| 2 | 28 | 0 | 34 | 4 | 23 | 0 | 28 | 2 | 46 | 11 |
| 2 | 29 | 0 | 34 | 4 | 34 | 0 | 39 | 1 | 32 | 16 |
| 2 | 30 | 0 | 34 | 4 | 45 | 0 | 49 | 0 | 20 | 21 |
| 2 | 31 | 0 | 34 | 4 | 52 | 0 | 58 | 0 N | 40 | 26 |

## The Lunar Aſpects.

| Ju.A | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | Ro.A |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Tr. Sir. | 4 △25 | | | 19△33 | | | | 12 |
| 2 | A | 3 p. Tri. | | | 22 8 15 | | | | ♂ ♀ ♀ | 13 |
| 3 | b | Cornel. | | | | 22□37 | | | 4 day, Sirius | 14 |
| 4 | c | Ulricus | | 8 △4o | | | 16 8 14 | 12 8 46 | ♂ ♀, at Noon | 15 |
| 5 | d | Anſelm. | 13 8 31 | | | 23✶4o | | | * Swans mouth | 16 |
| 6 | e | Tranqu. | | 6 □51 | 23△15 | | | | ♂ ☽, at | 17 |
| 7 | f | Martial | | | | | | | 18 ho. 6′ | 18 |
| 8 | g | Grimb. | | 6 ✶51 | | | | 13△33 | | 19 |
| 9 | A | 4 p. Tri. | 20△37 | | o □3o | | o △43 | | * Sirius ♂ ♀, at | 20 |
| 10 | b | 7 Frat. | | | | 4 ♂ c | | 18□22 | 21 ho. 22′ | 21 |
| 11 | c | Bened. | | | 5 ✶ 1 | | 9 □4o | | * Pollux ♂ ♀, at | 22 |
| 12 | d | Nab.&c. | 6 □36 | 15♂36 | | | | | 10 ho. 31′ | 23 |
| 13 | e | Anaclet. | | | | | 23✶12 | 4 ✶ 5 | * Proycon ♂ ♀, | 24 |
| 14 | f | Bonav. | 20✶20 | | | 20✶57 | | | at 13 ho, 10′ | 25 |
| 15 | g | Swith. | | | | | | | | 26 |
| 16 | A | 5 p. Tri. | | | o ♂36 | | | | △☉♂ | 27 |
| 17 | b | Alexius | | 13✶ 8 | | 12□11 | | | □ ♄ ☉ | 28 |
| 18 | c | Arnolp. | | | | | | 13♂5o | | 29 |
| 19 | d | Ruf.&c. | | | | | 12♂ o | | * Pollux ♂ ☿, at | 3o |
| 20 | e | Margar. | 6 ♂53 | 1 □26 | | 2 △ 7 | | | 7 ho. 32′ | 31 |
| 21 | f | Prax. | | | 3 ✶21 | | | | * Proycon ♂ ♀ | 1 |
| 22 | g | M. Mag | | 14△29 | | | | | at 3 ho. 17′ | Aug. |
| 23 | A | 6 p. Tri. | | | 16□13 | | | | * N. Aſſellus ♂ ♀ | |
| 24 | b | Chriſti. | | | | | | 8 ✶21 | at o ho. 40′ | |
| 25 | c | S James | 16✶18 | | | 4 8 3o | 1 ✶35 | | □ ♄ ♀ | 5 |
| 26 | d | Anna | | | 3 △30 | | | | △♂ ♀ | 6 |
| 27 | e | Marth. | | 10 8 42 | | | 16□25 | 3 □45 | 26 day Mid. * Ori. | 7 |
| 28 | f | Panth. | 4 □5o | | | | | | Belt. ♂ ♃, 4 h. 22′ | 8 |
| 29 | g | Fælix. | | | | 20△36 | | 18△3o | □ ♄ ♀ | 9 |
| 30 | A | 7 p. Tri. | 13△ 9 | | 18 8 27 | | 2 △54 | | △♂ ☿ | 1o |
| 31 | b | Germ. | | 18△56 | | 23□24 | | | | 11 |

| | D | ♄ | ♈ | ♃ | ♊ | ♂ | ♒ | ☉ | ♍ | ♀ | ♊ | ☿ | ♒ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 28 | 51 | 7 | 47 | 15 | 29 | 19 | 57 | 17 | o | 6♒ | 10 | 1△♃ ♀. 8✶ ♄ ☿ |
| | 6 | 29 | 2 | 8 | 14 | 18 | 38 | 24 | 43 | 25 | 5 | 24 | o | 8✶ ♄ ♀. 9□ ♃ ☿ |
| | 11 | 29 | 12 | 8 | 40 | 21 | 48 | 29 | 28 | 3♋ | 11 | 14♓ | 23 | 11□ ♄ ☉. 14✶ ☉ ☿ |
| | 16 | 29 | 23 | 9 | 7 | 24 | 58 | 4♒ | 15 | 11 | 17 | 8 | ♈13 | 16✶ ♃ ♀. 18♂ ♄ ☿ |
| | 21 | 29 | 34 | 9 | 33 | 28 | 8 | 9 | 2 | 19 | 23 | 6 | ♉ 8 | 23✶ ♄ ♂. 28□ ♄ ♀ |
| | 26 | 29 | 45 | 10 | o | 1♓ | 18 | 13 | 49 | 27 | 29 | 7 | ♊17 | 28□ ♃ ♀. 28♂ ♃ ☿ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☋ | ☽ | ♍ | Lat. | ☽ | ♄ | ♃ | ♅ | ♂ | ♈ | ♀ | ♎ | ☿ | ♎ | ♋ | ♅ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 35 | 9 | 12 | 1 S | 50 | 6 | 6 | 20 | 21 | 8 | 50 | 14 | 26 | 11 | 39 | 18 | 3 |
| 2 | 20 | 32 | 24 | 6 | 3 | 0 | 6 | 6 | 20 | 31 | 8 | 59 | 15 | 40 | 13 | 38 | 17 | 59 |
| 3 | 21 | 30 | 9 | ♒11 | 3 | 57 | 6 | 6 | 20 | 40 | 9 | 8 | 16 | 54 | 15 | 39 | 17 | 56 |
| 4 | 22 | 28 | 24 | 17 | 4 | 35 | 6 | 7 | 20 | 50 | 9 | 16 | 18 | 8 | 17 | 41 | 17 | 53 |
| 5 | 23 | 26 | 9 | ♓24 | 5 | 0 | 6 | 7 | 21 | 09 | 9 | 24 | 19 | 22 | 19 | 43 | 17 | 50 |
| ☉ | 24 | 24 | 24 | 9 | 5 | 3 | 6 | 7 | 21 | 99 | 9 | 30 | 20 | 36 | 21 | 45 | 17 | 47 |
| 7 | 25 | 22 | 8 | ♈33 | 4 | 46 | 6 | 7 | 21 | 199 | 9 | 35 | 21 | 51 | 23 | 46 | 17 | 44 |
| 8 | 26 | 19 | 22 | 28 | 4 | 13 | 6 | 7 | 21 | 299 | 9 | 40 | 23 | 5 | 25 | 45 | 17 | 40 |
| 9 | 27 | 17 | 6 | ♉ 0 | 3 | 26 | 6 | 7 | 21 | 389 | 9 | 44 | 24 | 19 | 27 | 42 | 17 | 37 |
| 10 | 28 | 15 | 19 | 5 | 2 | 29 | 6 | 7 | 21 | 479 | 9 | 47 | 25 | 33 | 29 | 38 | 17 | 34 |
| 11 | 29 | 13 | 1 | ♊47 | 1 | 26 | 6 | 6 | 21 | 569 | 9 | 48 | 26 | 47 | 1♍ | 32 | 17 | 31 |
| 12 | 0♍ | 11 | 14 | 7 | 0 | 18 | 6 | 6 | 22 | 59 | 9 | 49 | 28 | 2 | 3 | 25 | 17 | 27 |
| ☉ | 1 | 9 | 26 | 12 | 0 N | 47 | 6 | 6 | 22 | 139 | 9 | 50 | 29 | 16 | 5 | 19 | 17 | 24 |
| 14 | 2 | 6 | 8 | ♋ 7 | 1 | 51 | 6 | 5 | 22 | 229 | 9 Rx | 50 | 0♍ | 30 | 7 | 12 | 17 | 21 |
| 15 | 3 | 4 | 20 | 1 | 2 | 45 | 6 | 4 | 22 | 319 | 9 | 49 | 1 | 45 | 9 | 4 | 17 | 18 |
| 16 | 4 | 2 | 1 | ♌51 | 3 | 34 | 6 | 3 | 22 | 399 | 9 | 48 | 2 | 59 | 10 | 55 | 17 | 14 |
| 17 | 5 | 0 | 13 | 43 | 4 | 16 | 6 | 2 | 22 | 479 | 9 | 46 | 4 | 13 | 12 | 44 | 17 | 11 |
| 18 | 5 | 59 | 25 | 38 | 4 | 40 | 6 | 1 | 22 | 559 | 9 | 43 | 5 | 28 | 14 | 32 | 17 | 8 |
| 19 | 6 | 57 | 7 | ♍44 | 4 | 56 | 6 | 0 | 23 | 39 | 9 | 39 | 6 | 42 | 16 | 19 | 17 | 5 |
| ☉ | 7 | 55 | 19 | 55 | 5 | 3 | 5 | 59 | 23 | 109 | 9 | 35 | 7 | 56 | 18 | 5 | 17 | 2 |
| 21 | 8 | 53 | 2 | ♎12 | 4 | 53 | 5 | 58 | 23 | 189 | 9 | 29 | 9 | 11 | 19 | 50 | 16 | 59 |
| 22 | 9 | 51 | 14 | 39 | 4 | 30 | 5 | 56 | 23 | 259 | 9 | 23 | 10 | 25 | 21 | 33 | 16 | 56 |
| 23 | 10 | 49 | 27 | 19 | 3 | 54 | 5 | 54 | 23 | 329 | 9 | 15 | 11 | 40 | 23 | 15 | 16 | 52 |
| 24 | 11 | 48 | 10 | ♏ 7 | 3 | 5 | 5 | 52 | 23 | 399 | 9 | 6 | 12 | 54 | 24 | 56 | 16 | 49 |
| 25 | 12 | 47 | 23 | 15 | 2 | 45 | 5 | 50 | 23 | 468 | 8 | 57 | 14 | 9 | 26 | 36 | 16 | 46 |
| 26 | 13 | 45 | 6 | ♐37 | 0 | 54 S | 5 | 47 | 23 | 538 | 8 | 47 | 15 | 23 | 28 | 15 | 16 | 43 |
| ☉ | 14 | 43 | 20 | 18 | 0 S | 19 | 5 | 45 | 23 | 598 | 8 | 35 | 16 | 38 | 29 | 52 | 16 | 40 |
| 28 | 15 | 42 | 4 | ♑17 | 1 | 34 | 5 | 43 | 24 | 68 | 8 | 23 | 17 | 52 | 1♎ | 28 | 16 | 37 |
| 29 | 16 | 40 | 18 | 38 | 2 | 45 | 5 | 40 | 24 | 128 | 8 | 10 | 19 | 7 | 3 | 3 | 16 | 34 |
| 30 | 17 | 39 | 3 | ♒14 | 3 | 47 | 5 | 38 | 24 | 188 | 7 | 57 | 20 | 21 | 4 | 37 | 16 | 30 |
| 31 | 18 | 37 | 18 | 4 | 4 | 28 | 5 | 35 | 24 | 258 | 7 | 43 | 21 | 36 | 6 | 11 | 16 | 27 |

### The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 33 | 0 | 34 | 4 | 59 | 1 | 8 | 1 | 32 | 1 |
| 2 | 34 | 0 | 33 | 5 | 41 | 1 | 15 | 1 | 43 | 6 |
| 2 | 36 | 0 | 33 | 5 | 71 | | 20 | 1 | 41 | 11 |
| 2 | 37 | 0 | 33 | 5 | 91 | | 23 | 1 | 25 | 16 |
| 2 | 38 | 0 | 33 | 5 | 101 | | 25 | 1 | 11 | 21 |
| 2 | 40 | 0 | 33 | 5 | 91 | | 24 | 0 | 28 | 26 |

SEPTEM-

## The Lunar Aſpects.

| Jn.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets Mutual Aſpects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | c | Lamm. | | | | | | | | 12 |
| 2 | d | Steven | | 19□ 6 | | 23✶54 | | | ✶♃☉ | 13 |
| 3 | e | Inv.Ste. | 20♂55 | | 18△29 | | 13 8 21 | 11 8 52 | | 14 |
| 4 | f | Domin. | | 17✶50 | | | | | ♂♀☿ | 15 |
| 5 | g | Feſt.Ni. | | | 19□ 5 | | | | ✶♃♀ | 16 |
| 6 | a | 8 p. Tri. | | | | | | | ✶♃☿ | 17 |
| 7 | b | Tr.Chr. | | | 22✶15 | 1 ♂49 | | | | 18 |
| 8 | c | Cyriac. | 7 △20 | | | | 1 △13 | 6 △47 | ♂☉☿ | 19 |
| 9 | d | Roman. | | 0 ♂13 | | | | Occid. | | 20 |
| 10 | e | Laurent | 18□45 | | | | 13□32 | 23□30 | * Cor ♌ ♂♀, at | 21 |
| 11 | f | Tiburt. | | | | 15✶36 | | | 3 ho. 31′ | 22 |
| 12 | g | Clare V. | | | 15♂59 | | | | | 23 |
| 13 | a | 9 p Tri. | 10✶51 | 19✶58 | | | 6 ✶54 | 22✶50 | △♄☿ | 24 |
| 14 | b | Euſeb. | | | | 3 □27 | | | * Sirius ♂☽, at | 25 |
| 15 | c | Aſſ. Ma. | | | | | | | 3 ho. 52′ | 26 |
| 16 | d | Rochus | | 8 □29 | | 16△ 5 | | | | 27 |
| 17 | e | Mamm. | | | 18✶30 | | | | | 28 |
| 18 | f | Helena | 22♂17 | 20△36 | | | 21♂57 | | ♏♄☉. △♄☿ | 29 |
| 19 | g | Clintan. | | | | | | 20♂ 5 | | 30 |
| 20 | a | 10 p.Tr. | | | 6 □29 | | | | ♂☉☿ | 31 |
| 21 | b | Privat. | | | | 13 8 56 | Occid. | | | 1 |
| 22 | c | Symph | | | 16✶47 | | | | □♃☿ | Sept. |
| 23 | d | Zacha. | | 16 8 3 | | | | | * Lucida Corona | |
| 24 | e | S. Bart. | 3 ✶20 | | | | 5 ✶37 | | ♂☽, at 20 ho. 15′ | |
| 25 | f | Ludov. | | | | | | 6 ✶50 | | 5 |
| 26 | g | Severin | 13□30 | | | 3 △46 | 16□55 | | * Head of Hercules | 6 |
| 27 | a | 11 p.Tr | | | 6 8 21 | | | 18□34 | ♂☽, at | 7 |
| 28 | b | Auguſt. | 20△30 | 2 △24 | | 6 □46 | | | 9 ho. 24′ | 8 |
| 29 | c | De. J.B. | | | | | 0 △54 | | | 9 |
| 30 | d | Fœlix | | 3 ✶52 | | 7 ✶30 | | 1 △29 | | 10 |
| 31 | e | Paulin. | | | 10△24 | | | | 8♂☿ | 11 |

| | ☽ | ♄ | ♈ | ♃ | ♊ | ♂ | ♓ | ☉ | ♒ | ♀ | ♌ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 29 | 57 | 10 | 29 | 5 | 7 | 19 | 35 | 7 | 13 | 15♎ | 6 | 3✶♃♀. 5✶♃♀ |
| Heliocentrick Places of the Planets. | 6 | 0 | ♉ 7 | 10 | 56 | 8 | 17 | 24 | 24 | 15 | 20 | 13♌ | 39 | 3□♄☿. 9△♄☿ |
| | 11 | 0 | 18 | 11 | 22 | 11 | 26 | 29 | 13 | 23 | 26 | 8♍ | 8 | 11□♃♂. 12□♄☉ |
| | 16 | 0 | 29 | 11 | 48 | 14 | 36 | 4♓ | 2 | 1♍ | 32 | 28 | 59 | 12□♃♀. 13 8 ♂♀ |
| | 21 | 0 | 40 | 12 | 14 | 17 | 46 | 8 | 53 | 9 | 37 | 17♎ | 11 | 22 8 ♂☿. 23□♃☿ |
| | 26 | 0 | 41 | 12 | 41 | 20 | 56 | 13 | 45 | 17 | 41 | 3♏ | 25 | 24 8 ♄☿. 25□♃☉ |

SEP-

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. ☽ | ♄ | ♅ | ♃ | ♂ | ♈ | ♀ | ☿ | ♀ | ♎ | ☊ | ♊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 36 | 2 ♓ 57 | 4 S 53 | 5 33 | 24 32 | 7 28 | 22 50 | 7 44 | 16 24 |
| 2 | 20 34 | 17 52 | 5 0 | 5 31 | 24 38 | 7 13 | 24 5 | 9 16 | 16 21 |
| ☉ | 21 33 | 2 ♈ 33 | 4 51 | 5 28 | 24 44 | 6 57 | 25 19 | 10 48 | 16 18 |
| 4 | 22 31 | 17 2 | 4 21 | 5 25 | 24 49 | 6 41 | 26 34 | 12 18 | 16 15 |
| 5 | 23 30 | 0 ♉ 57 | 3 42 | 5 22 | 24 55 | 6 24 | 27 48 | 13 48 | 16 12 |
| 6 | 24 29 | 14 29 | 2 44 | 5 19 | 25 6 | 6 7 | 29 3 | 15 16 | 16 9 |
| 7 | 25 27 | 27 33 | 1 39 | 5 16 | 25 5 | 5 59 | 0 ♎ 17 | 16 42 | 16 6 |
| 8 | 26 26 | 10 ♊ 14 | 0 32 | 5 13 | 25 10 | 5 41 | 1 32 | 18 7 | 16 2 |
| 9 | 27 25 | 22 3 | 0 N 35 | 5 10 | 25 14 | 5 23 | 2 46 | 19 31 | 15 59 |
| ☉ | 28 24 | 4 ♋ 40 | 1 41 | 5 3 | 25 18 | 5 15 | 4 1 | 20 53 | 15 56 |
| 11 | 29 23 | 16 33 | 2 39 | 5 6 | 25 22 | 4 57 | 5 16 | 22 13 | 15 53 |
| 12 | 0 ♎ 21 | 28 22 | 3 30 | 4 59 | 25 26 | 4 38 | 6 30 | 23 32 | 15 50 |
| 13 | 1 20 | 10 ♌ 12 | 4 11 | 4 56 | 25 29 | 4 19 | 7 45 | 24 50 | 15 47 |
| 14 | 2 19 | 22 4 | 4 42 | 4 52 | 25 33 | 4 0 | 8 59 | 26 7 | 15 44 |
| 15 | 3 18 | 4 ♍ 2 | 4 59 | 4 49 | 25 36 | 3 40 | 10 14 | 27 23 | 15 40 |
| 16 | 4 17 | 16 14 | 5 4 | 4 45 | 25 40 | 3 21 | 11 29 | 28 38 | 15 37 |
| ☉ | 5 16 | 28 35 | 4 52 | 4 42 | 25 43 | 3 2 | 12 44 | 29 51 | 15 34 |
| 18 | 6 15 | 11 ♎ 12 | 4 30 | 4 38 | 25 47 | 2 43 | 13 59 | 1 ♏ 2 | 15 31 |
| 19 | 7 14 | 24 0 | 3 59 | 4 34 | 25 50 | 2 25 | 15 13 | 2 11 | 15 27 |
| 20 | 8 13 | 6 ♏ 58 | 3 9 | 4 30 | 25 54 | 2 7 | 16 28 | 3 18 | 15 24 |
| 21 | 9 12 | 20 5 | 2 12 | 4 26 | 25 57 | 1 49 | 17 43 | 4 24 | 15 21 |
| 22 | 10 11 | 3 ♐ 3 | 1 4 | 4 22 | 25 59 | 1 31 | 18 58 | 5 27 | 15 18 |
| 23 | 11 11 | 17 0 | 0 S 7 | 4 18 | 26 1 | 1 13 | 20 13 | 6 27 | 15 14 |
| ☉ | 12 10 | 0 ♑ 43 | 1 23 | 4 14 | 26 3 | 0 57 | 21 27 | 7 24 | 15 11 |
| 25 | 13 10 | 14 37 | 2 27 | 4 9 | 26 5 | 0 42 | 22 42 | 8 19 | 15 8 |
| 26 | 14 9 | 28 43 | 3 30 | 4 5 | 26 6 | 0 26 | 23 57 | 9 11 | 15 5 |
| 27 | 15 9 | 12 ♒ 55 | 4 24 | 4 1 | 26 7 | 0 11 | 25 11 | 9 59 | 15 2 |
| 28 | 16 8 | 27 25 | 4 53 | 3 56 | 26 7 | 29 ♓ 57 | 26 26 | 10 43 | 14 59 |
| 29 | 17 8 | 11 ♓ 54 | 5 5 | 3 52 | 26 8 | 29 44 | 27 41 | 11 23 | 14 56 |
| 30 | 18 7 | 26 25 | 4 48 | 3 47 | 26 8 | 29 32 | 28 56 | 11 59 | 14 52 |

| | ♄ | S | ♅ | S | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| The Latitude of the Planets | 2 | 41 | 0 | 33 | 5 | 1 | 1 | 22 | 0 | 15 | 1 |
| | 2 | 42 | 0 | 33 | 4 | 50 | 1 | 19 | 0 | 53 | 6 |
| | 2 | 42 | 0 | 33 | 4 | 37 | 1 | 15 | 1 | 30 | 11 |
| | 2 | 43 | 0 | 33 | 4 | 22 | 1 | 9 | 2 | 7 | 16 |
| | 2 | 44 | 0 | 33 | 4 | 5 | 1 | 1 | 2 | 37 | 21 |
| | 2 | 45 | 0 | 33 | 3 | 46 | 0 | 52 | 3 | 0 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Ægid. | | 4 ✶13 | | | | | ☌ ☍ ♀ | 12 |
| 2 | g | Anth. | 3 ☌44 | | 11 □10 | | 11 8 6 | | * Scheat ☍ ☽, at | 13 |
| 3 | a | 12 p. Tr. | | | | 7 ☍10 | | 15 8 3 | 12 ho. 16′ | 14 |
| 4 | b | Theod. | | | 10 ✶45 | | | | | 15 |
| 5 | c | Bertin. | | 7 ☍50 | | | | | | 16 |
| 6 | d | Magnus | 19 △50 | | | | | | * Schedir ☍ ☽, at | 17 |
| 7 | e | Regina | | | | 15 ✶32 | 5 △41 | | 4 ho. 58′ | 18 |
| 8 | f | Na.V.M | | | | | | 17 △15 | ☌ ☍ ♀ | 19 |
| 9 | g | Gorgon | 8 □ 7 | | 5 ☍12 | | 22 □42 | | * Virgins Spick | 20 |
| 10 | a | 13. p Tr. | | 0 ✶52 | | 1 □10 | | | ☍ ♀, at | 21 |
| 11 | b | Fælix | | | | | | 12 □18 | 3 ho. 31′ | 22 |
| 12 | c | Guido | 3 ✶59 | 13 □22 | | 12 △22 | 18 ✶ 8 | | | 23 |
| 13 | d | Amatus | | | | | | | Swans mouth | 24 |
| 14 | e | E. Gru. | | | 7 ✶ 2 | | | 9 ✶ 4 | 27° 10′ 50″ ♎ | 25 |
| 15 | f | Nicode. | | 1 △34 | | | | | ☌ ☍ ☉ | 26 |
| 16 | g | Edith | | | 18 □25 | Occid. | | | | 27 |
| 17 | a | 14 p. Tr. | 13 ☍48 | | | 8 8 15 | | | | 28 |
| 18 | b | Vi. & Co | | | | | 5 ☍48 | | | 29 |
| 19 | c | Januar. | | 19 8 28 | 3 △23 | | | 16 ☍35 | * Arcturus ☍ ☽, | 30 |
| 20 | d | Fausta | | | | | | | at 16 ho. 40′ | 1 |
| 21 | e | S Mat. | | | | 20 △32 | | | ☌ ♄ ♀ | Obſ. |
| 22 | f | Maur. | 12 ✶57 | | | | | | * Head Hercules | |
| 23 | g | Tecl. V. | | | 15 8 50 | | 6 ✶11 | | ☍ ☽, at 15 ho. 2′ | |
| 24 | a | 15 p. Tr. | 21 □18 | 6 △ 0 | | 0 □28 | | 12 ✶21 | | |
| 25 | b | Cleoph. | | | | | 15 □ 8 | | | 6 |
| 26 | c | Cypria. | | 9 □10 | | 2 ✶50 | | 18 □57 | ☍ Præſepe | 7 |
| 27 | d | Co. Dam | 3 △50 | | 21 △52 | | 22 △14 | 23 △ 0 | ☌ | 8 |
| 28 | e | Wene. | | 10 ✶45 | | | | | 3° 12′ 50″ | 9 |
| 29 | f | S. Mich. | | | 23 □26 | | | | ☍ Nat. ☽ | 10 |
| 30 | g | Hieron. | | | | 5 ☍10 | | | 28 day S. Ballance | 11 |
| | | | | | | | | | ☍ ♀, at 9 ho. 0′ | |

| | ☽ | ♄ | ♂ | ♃ | ♊ | ♂ | ♓ | ☉ | ♓ | ♀ | ♍ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 1 | 3 | 13 | 12 | 24 | 4 | 19 | 36 | 27 | 23 | 21 | ♍ 11 | | 3 △ ☍ ♀ 6 ✶ ♀ ♀ |
| Heliocentrick places of the Planets. | 6 1 | 14 | 13 | 38 | 27 | 46 | 24 | 29 | 51 | 26 | 5 | ♐ 8 | | 9 ☌ ♀ 8. 12 △ ♃ ♀ |
| | 11 1 | 25 | 14 | 4 | 1 | ♈ 15 | 29 | 23 | 13 | 29 | 18 | 30 | | 15 △ ♄ ☿. 17 □ ☍ ♀ |
| | 16 1 | 36 | 14 | 31 | 4 | 0 | 4 | ♈ 17 | 21 | 31 | 2 | ♑ 42 | | 17 □ ☉ ♀. 27 □ ♄ ♀ |
| | 21 1 | 47 | 14 | 57 | 7 | 3 | 9 | 12 | 29 | 33 | 17 | 16 | | 27 ✶ ♃ ☉. 28 ✶ ☍ ♀ |
| | 26 1 | 58 | 15 | 23 | 9 | 56 | 14 | 9 | 7 | 34 | 2 | ♒ 58 | | 29 □ ♀ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☌ | ☽ | ☽ Lat. | ♄ | ♅ | ♆ | ♃ | ♂ | ♐ | ☿ | ♍ | ☿ | ♍ | ☊ | ♊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | | ° ′ | ° ′ | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | |
| ☉ | 19 7 | | 10♈47 | 4 S 30 | 3 42 | 26 9 | | | 29 22 | | 0 11 | | 12 30 | | 14 49 | |
| 2 | 20 7 | | 24 56 | 3 49 | 3 38 | 26 9 | | | 29 9 | | 1 26 | | 12 57 | | 14 46 | |
| 3 | 21 7 | | 8 ♉50 | 2 58 | 3 33 | 26 | ℞ 9 | | 28 59 | | 2 41 | | 13 20 | | 14 43 | |
| 4 | 22 6 | | 22 22 | 1 56 | 3 28 | 26 | 9 | | 28 50 | | 3 56 | | 13 35 | | 14 40 | |
| 5 | 23 6 | | 5 ♊29 | 0 50 | 3 23 | 26 | 9 | | 28 41 | | 5 11 | | 13 41 | | 14 37 | |
| 6 | 24 6 | | 18 16 | 0 N 20 | 3 19 | 26 | 8 | | 28 33 | | 6 26 | | 13 35 | | 14 33 | |
| 7 | 25 6 | | 0 ♋40 | 1 26 | 3 14 | 26 | 8 | | 28 26 | | 7 41 | | 13 24 | | 14 30 | |
| ☉ | 26 6 | | 12 48 | 2 28 | 3 9 | 26 | 7 | | 28 19 | | 8 56 | | 13 5 | | 14 27 | |
| 9 | 27 5 | | 24 42 | 3 24 | 3 4 | 26 | 7 | | 28 13 | | 10 11 | | 12 39 | | 14 24 | |
| 10 | 28 5 | | 6 ♌30 | 4 6 | 2 59 | 26 | 6 | | 28 8 | | 11 26 | | 12 4 | | 14 21 | |
| 11 | 29 5 | | 18 17 | 4 41 | 2 54 | 26 | 4 | | 28 4 | | 12 41 | | 11 22 | | 14 18 | |
| 12 | ♍ 5 | | ♍ 0 8 | 5 1 | 2 49 | 26 | 2 | | 28 2 | | 13 56 | | 10 33 | | 14 15 | |
| 13 | 1 5 | | 12 11 | 5 9 | 2 45 | 25 | 0 | | 28 1 | | 15 11 | | 9 37 | | 14 12 | |
| 14 | 2 5 | | 24 25 | 5 22 | 2 40 | 25 | 58 | | 28 0 | | 16 26 | | 8 28 | | 14 8 | |
| ☉ | 3 5 | | 6 ♎57 | 4 41 | 2 35 | 25 | 56 | | 27 59 | | 17 42 | | 7 12 | | 14 5 | |
| 16 | 4 5 | | 19 45 | 4 52 | 2 30 | 25 | 54 | | 27D 58 | | 18 57 | | 5 50 | | 14 2 | |
| 17 | 5 5 | | 2 ♏52 | 3 17 | 2 25 | 25 | 51 | | 27 59 | | 20 12 | | 4 33 | | 13 59 | |
| 18 | 6 5 | | 16 14 | 2 21 | 2 20 | 25 | 48 | | 28 1 | | 21 27 | | 3 22 | | 13 56 | |
| 19 | 7 5 | | 29 52 | 1 14 | 2 15 | 25 | 45 | | 28 3 | | 22 42 | | 2 17 | | 13 53 | |
| 20 | 8 5 | | 13 ♐39 | 0 1 | 2 10 | 25 | 42 | | 28 5 | | 23 57 | | 1 18 | | 13 50 | |
| 21 | 9 6 | | 27 34 | 1 S 13 | 2 5 | 25 | 39 | | 28 9 | | 25 12 | | 0 26 | | 13 46 | |
| ☉ | 10 6 | | 11♑53 | 2 23 | 2 0 | 25 | 35 | | 28 14 | | 26 28 | | 29♎45 | | 13 43 | |
| 23 | 11 6 | | 25 35 | 3 28 | 1 56 | 25 | 31 | | 28 20 | | 27 43 | | 29 8 | | 13 40 | |
| 24 | 12 6 | | 9 ♒40 | 4 23 | 1 51 | 25 | 27 | | 28 27 | | 28 58 | | 28 35 | | 13 37 | |
| 25 | 13 6 | | 23 45 | 4 56 | 1 47 | 25 | 22 | | 28 35 | | 0 ♑13 | | 28 7 | | 13 33 | |
| 26 | 14 7 | | 7 ♓51 | 5 9 | 1 42 | 25 | 19 | | 28 44 | | 1 28 | | 27 43 | | 13 30 | |
| 27 | 15 7 | | 21 54 | 5 7 | 1 37 | 25 | 12 | | 28 53 | | 2 43 | | 27D 52 | | 13 27 | |
| 28 | 16 8 | | 5 ♈54 | 4 47 | 1 33 | 25 | 7 | | 29 3 | | 3 59 | | 28 9 | | 13 24 | |
| ☉ | 17 8 | | 19 54 | 4 4 | 1 28 | 25 | 2 | | 29 13 | | 5 14 | | 28 36 | | 13 20 | |
| 30 | 18 9 | | 3 ♉40 | 3 13 | 1 24 | 24 | 57 | | 29 24 | | 6 29 | | 29 13 | | 13 17 | |
| 31 | 19 9 | | 17 13 | 2 11 | 1 19 | 24 | 52 | | 29 35 | | 7 44 | | 29 59 | | 13 14 | |

### The Latitude of the Planets

| ♄ | S | ♅ | S | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 45 | 0 | 33 | 3 | 27 | 0 | 42 | 3 | 12 | 1 |
| 2 | 45 | 0 | 32 | 3 | 1 | 0 | 31 | 3 | 1 | 6 |
| 2 | 46 | 0 | 32 | 2 | 38 | 0 | 20 | 2 | 17 | 11 |
| 2 | 46 | 0 | 32 | 2 | 17 | 0 | 8 | 0 | 50 | 16 |
| 2 | 46 | 0 | 32 | 1 | 57 | 0 | S 5 | 0 | N 46 | 21 |
| 2 | 45 | 0 | 31 | 1 | 36 | 0 | 17 | 1 | 56 | 26 |

## The Lunar Aſpects.

| Jr.A. | W.D. | Saints Days | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Occid | ☿ Occid. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♊ | 6 p.Tr. | 15 8 12 | | | | | | * Schedir. ☌ ♄, ☍ at | 12 |
| 2 | b | Leod. | | 14 ☌ 55 | 2 ✶ 6 | | 11 8 24 | | 2 in the Morning | 13 |
| 3 | c | Maxim | | | | | | 8. 8 6 | ☿ ♄ ♀ | 14 |
| 4 | d | Francis | | | | 11 ✶ 44 | | | | 15 |
| 5 | e | Conſt. | | | | | | | 7 day Lu. Corona | 16 |
| 6 | f | Fides | 12 △ 18 | | 15 ☌ 11 | 19 □ 45 | | | ☌ ♀, at | 17 |
| 7 | g | Mar. &c | | 5 ✶ 3 | | | 15 △ 27 | | 7 ho. 41′ | 18 |
| 8 | A | 17 p.Tr. | | | | | | 0 △ 24 | △ ♃ ☉ | 19 |
| 9 | b | Dionyſ. | 5 □ 7 | 16 □ 56 | | 7 △ 11 | | | | 20 |
| 10 | c | Burch. | | | | | 11 □ 16 | 10 □ 48 | ☌ ♀ ☿ | 21 |
| 11 | d | Gideon | 23 ✶ 54 | | 15 ✶ 47 | | | | ☽ day S. Ballance | 22 |
| 12 | e | Wilfred | | 5 △ 18 | | | | 19 ✶ 16 | ☌ ♀, at 15 ho. 2′ | 23 |
| 13 | f | Colman | | | | | 6 ✶ 33 | | | 24 |
| 14 | g | Calixt. | | | 2 □ 58 | 7 8 3 | | | ☿ ♄ ☉ | 25 |
| 15 | A | 28 p.Tr. | | Occid. | | | | | | 26 |
| 16 | b | Gallus | | 23 8 6 | 11 △ 18 | | | Orien. | ☌ ☉ ♀ | 27 |
| 17 | c | Florent. | 4 ☌ 18 | | | | | 2 ☌ 47 | * Lucida Corona | 28 |
| 18 | d | S. Luke | | | | 20 △ 57 | 10 ☌ 7 | | ☌ ☽, at 9 ho. 24′ | 29 |
| 19 | e | Frideſ. | | | | | | | ☿ ♄ ♀ | 30 |
| 20 | f | Ethelr. | | | 20 8 52 | | | | | 31 |
| 21 | g | 40 V. M. | 21 ✶ 18 | 9 △ 24 | | 1 □ 2 | | 4 ✶ 36 | Propus | 1 |
| 22 | A | 19 p.Tr. | | | | | | | 26° 48′ 40″ ♊ | Nov. |
| 23 | b | Roman. | | 10 □ 31 | | 3 ✶ 44 | 4 ✶ 0 | 5 □ 50 | △ ☌ ♀ | |
| 24 | c | Ma. &c. | 6 □ 18 | | | | | | | |
| 25 | d | Criſpin | | 13 ✶ 31 | 2 △ 46 | | 12 □ 6 | 7 △ 12 | * Fomahant ☌ ☽, | 5 |
| 26 | e | Amand. | 11 △ 33 | | | | | | at 9 ho. 58′ | 6 |
| 27 | f | Urſula | | | 6 □ 3 | 11 ☌ 42 | 18 △ 9 | | * Scheat ☌ ☽, at | 7 |
| 28 | g | S. Si. & ſ | | | | | | | 6 ho. 6′ | 8 |
| 29 | A | 20 p.Tr. | | 19 ☌ 51 | 9 ✶ 1 | | | 15 8 5 | * Antares | 9 |
| 30 | b | German | | | | | | | ☌ ♀, at | 10 |
| 31 | c | Wolfg. | 3 8 46 | | | 22 ✶ 30 | | | 8 ho. 19′ | 11 |

| | D | ♄ | ☌ | ♃ | ♊ | ♂ | ♈ | ☉ | ♈ | ♀ | ♍ | ☿ | ♒ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets, | 1 | 2 | 9 | 15 | 49 | 13 | 9 | 19 | 7 | 15 | 32 | 20 | ♒ 22 | 4 ✶ ♄ ♀. 6 ✶ ♃ ☌ |
| | 6 | 2 | 19 | 16 | 15 | 16 | 0 | 24 | 6 | 23 | 31 | 10 | ♓ 11 | 8 □ ♃ ♀. 14 8 ♄ |
| | 11 | 2 | 30 | 16 | 41 | 19 | 10 | 29 | 5 | 1 | ♑ 29 | 3 | ♈ 18 | 14 ☌ ☌ ♀. 14 ✶ ♃ ♀ |
| | 16 | 2 | 41 | 17 | 7 | 22 | 8 | 4 | ♉ 5 | 9 | 27 | 0 | ♉ 25 | 16 ☌ ♄ ♀. 21 8 ♃ ♀ |
| | 21 | 2 | 52 | 17 | 33 | 25 | 7 | 9 | 6 | 17 | 25 | 1 | ♊ 5 | 24 ☌ ♃ ♀. 25 ✶ ☌ ♀ |
| | 26 | 3 | 3 | 17 | 59 | 28 | 3 | 14 | 7 | 25 | 23 | 29 | ♋ 57 | 26 ✶ ♄ ♀. 29 △ ☌ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♅ | ♃ | ♂ | ♀ | ☿ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 20 10 | ♊ 31 | 1 8 | 1 15 | 24 47 | 29 46 | 8 59 | 0 51 | 13 10 | |
| 2 | 21 10 | 13 31 | 0 N 1 | 1 10 | 24 41 | 29 58 | 10 14 | 1 49 | 13 7 | |
| 3 | 22 11 | 26 11 | 1 9 | 1 6 | 24 36 | 0 ♈ 10 | 11 29 | 2 55 | 13 4 | |
| 4 | 23 11 | 8 ♋ 31 | 2 13 | 1 2 | 24 30 | 0 23 | 12 44 | 4 4 | 13 1 | |
| ☾ | 24 12 | 20 38 | 3 12 | 0 58 | 24 24 | 0 36 | 14 0 | 5 15 | 12 58 | |
| 6 | 25 12 | 2 ♌ 33 | 4 7 | 0 54 | 24 18 | 0 50 | 15 15 | 6 30 | 12 54 | |
| 7 | 26 13 | 14 23 | 4 40 | 0 50 | 24 12 | 1 5 | 16 30 | 7 46 | 12 51 | |
| 8 | 27 14 | 26 12 | 5 4 | 0 46 | 24 5 | 1 21 | 17 45 | 9 0 | 12 48 | |
| 9 | 28 14 | 8 ♍ 4 | 5 14 | 0 42 | 23 59 | 1 38 | 19 0 | 10 2 | 12 45 | |
| 10 | 29 15 | 20 7 | 5 9 | 0 38 | 23 52 | 1 55 | 20 15 | 11 47 | 12 42 | |
| 11 | 0 ♐ 16 | 2 ♎ 20 | 4 52 | 0 34 | 23 45 | 2 13 | 21 30 | 13 13 | 12 39 | |
| ☾ | 1 17 | 14 52 | 4 21 | 0 30 | 23 38 | 2 32 | 22 45 | 14 41 | 12 36 | |
| 13 | 2 18 | 27 47 | 3 36 | 0 27 | 23 30 | 2 52 | 24 0 | 16 12 | 12 33 | |
| 14 | 3 18 | 11 ♏ 3 | 2 38 | 0 23 | 23 23 | 3 12 | 25 15 | 17 44 | 12 29 | |
| 15 | 4 19 | 24 45 | 1 30 | 0 20 | 23 16 | 3 32 | 26 30 | 19 16 | 12 26 | |
| 16 | 5 20 | 8 ♐ 40 | 0 18 | 0 16 | 23 8 | 3 52 | 27 45 | 20 48 | 12 23 | |
| 17 | 6 21 | 22 56 | 0 S 55 | 0 13 | 22 1 | 4 13 | 29 0 | 22 19 | 12 20 | |
| 18 | 7 22 | 7 ♑ 20 | 2 7 | 0 9 | 22 53 | 4 34 | 0 ♑ 14 | 23 51 | 12 17 | |
| ☾ | 8 23 | 21 50 | 3 15 | 0 6 | 22 46 | 4 55 | 1 29 | 25 23 | 12 14 | |
| 20 | 9 24 | 6 ♒ 16 | 4 11 | 0 2 | 22 39 | 5 16 | 2 44 | 26 54 | 12 10 | |
| 21 | 10 25 | 20 36 | 4 50 | 29 ♈ 59 | 22 31 | 5 37 | 3 59 | 28 26 | 12 7 | |
| 22 | 11 26 | 4 ♓ 45 | 5 8 | 29 56 | 22 23 | 5 58 | 5 14 | 29 59 | 12 4 | |
| 23 | 12 27 | 18 43 | 5 15 | 29 53 | 22 16 | 6 21 | 6 29 | 1 ♐ 32 | 12 1 | |
| 24 | 13 28 | 2 ♈ 30 | 4 52 | 29 50 | 22 8 | 6 44 | 7 43 | 3 5 | 11 58 | |
| 25 | 14 29 | 16 22 | 4 17 | 29 47 | 22 0 | 7 7 | 8 58 | 4 38 | 11 55 | |
| ☾ | 15 30 | 29 43 | 3 26 | 29 44 | 21 52 | 7 31 | 10 13 | 6 10 | 11 52 | |
| 27 | 16 31 | 13 ♉ 5 | 2 26 | 29 42 | 21 44 | 7 56 | 11 27 | 7 43 | 11 48 | |
| 28 | 17 32 | 26 19 | 1 20 | 29 39 | 21 36 | 8 21 | 12 42 | 9 17 | 11 45 | |
| 29 | 18 34 | 9 ♊ 16 | 0 12 | 29 37 | 21 28 | 8 47 | 13 57 | 10 50 | 11 42 | |
| 30 | 19 35 | 22 1 | 0 N 54 | 29 34 | 21 20 | 9 13 | 15 11 | 12 24 | 11 39 | |

## The Latitude of the Planets.

| ☊ | ☋ | ♄ | ☋ | ♂ | ☋ | ♀ | ☋ | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 45 0 | 3 | 21 | 16 0 | 3 | 2 | 20 | | 1 | |
| 2 | 44 0 | 3 | 11 | 0 0 | 4 | 3 | 2 | | 8 | 6 |
| 2 | 43 0 | 3 | 1 | 45 0 | 5 | 5 | 1 | | 42 | 11 |
| 2 | 42 0 | 3 | 1 | 0 | 3 | 2 | 1 | | 9 | 16 |
| 2 | 41 0 | 3 | 0 | 0 | 1 | 9 | 1 | | 17 | 0 | | 34 | 21 |
| 2 | 40 0 | 3 | 0 | 0 | 8 | 1 | 25 | 0 | S | 1 | 26 | |

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## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Orien | Planets mutual Aſpects. | Rom. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | Circ. Sa. | | | | | 17 8 19 | | ☌ ♄ ♀ | 12 |
| 2 | E | Om. An. | | | 21 ♂ 3 | | | | | 13 |
| 3 | F | Winifr. | | 9 ✶ 31 | | 7 □ 54 | | 14 △ 16 | * Head Hercules | 14 |
| 4 | G | Aman. | | | | | | | ♂ ♀, at 9 h. 17′ | 15 |
| 5 | A | 21 p. Tr. | 7 △ 50 | 20 □ 40 | | 20 △ 30 | | | 4 day Rigel | 16 |
| 6 | B | Leonar. | | | | | | 9 □ 0 | ☌ ♀, at Noon | 17 |
| 7 | C | Florent | | | 19 ✶ 48 | | 4 △ 50 | | * Lucida Coronæ | 18 |
| 8 | D | Severus | ☌ □ 59 | 9 △ 11 | | | | | ♂ ☽, at 5 ho. 51′ | 19 |
| 9 | E | Theod. | | | | | | 4 ✶ 48 | * Mid. * Ori. Bel. | 20 |
| 10 | F | Marc. P. | 19 ✶ 32 | | 7 □ 25 | 23 8 46 | ☽ □ 17 | | ☌ ♀, at 6 ho 43′ | 21 |
| 11 | G | Marc B. | | | | | | | | 22 |
| 12 | A | 22 p. Tr | | | 16 △ 10 | | 16 ✶ 12 | | ☌ ♃ ♀ | 23 |
| 13 | B | Eugeni | | 4 8 48 | | | | | △ ☉ ♂ | 24 |
| 14 | C | Freder. | | | | | | 13 ♂ 12 | | 25 |
| 15 | D | Leop. | 17 ♂ 52 | | 1 | 15 △ 33 | | | ☉ eclipſ. inviſible | 26 |
| 16 | E | Othm. | | | | | | | | 27 |
| 17 | F | Amian. | | 12 △ 5 | ☽ 8 10 | 19 □ 17 | 11 ♂ 3 | | | 28 |
| 18 | G | Oct. Ma | | | | | | | △ ♄ ♀ | 29 |
| 19 | A | 23 p. Tr. | | 13 □ 42 | | 22 ✶ 00 | | 6 ✶ 37 | * Swans mouth | 30 |
| 20 | B | Edm. R. | 5 ✶ 38 | | | | | | ♂ ☽, at 9 ho. 00′ | 1 |
| 21 | C | Ob. V. M | | 15 ✶ 52 | 3 △ 12 | | | 14 □ 54 | | Decem |
| 22 | D | Cæcilia | 12 □ 22 | | | | ☽ ✶ 56 | | □ ♂ ♀ | |
| 23 | E | Clem. | | | 6 □ 9 | | | | * Scheat ♂ ☽, at | |
| 24 | F | Chriſog | 20 △ 27 | | | 7 ♂ 17 | 9 □ 56 | 1 △ 10 | 11 ho 25′ | |
| 25 | G | Cathar. | | | 10 ✶ 1 | | | | * Gir. Andromeda | 6 |
| 26 | A | 24 p. Tr. | | ☽ ♂ 2 | | | 20 △ 46 | | ♂ ☽ ♈, at 19 h 48′ | 7 |
| 27 | B | Agricol. | | | | | | | △ ♂ ♀ | 8 |
| 28 | C | Ruffus | | | | 23 ✶ 2 | | | | 9 |
| 29 | D | Saturn. | 19 8 29 | | 22 ♂ 40 | | | 3 8 22 | ☽ eclipſed viſible | 10 |
| 30 | E | St. And. | | 12 ✶ 31 | | | | | | 11 |

Heliocentrick places of the Planets.

| | D | ☿ | ♂ | ♃ | ♍ | ♂ | ♂ | ☉ | ♂ | ♀ | ♎ | ♀ | ♌ | Heliocent. Aſpect. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 3 | 15 | 18 | 29 | 1 | 34 | 20 | 10 | 4 | 52 | 8 ♏ | 25 | 3 ✶ ♃ ♀. 4 □ ☽ ♀ |
| | 6 | 3 | 26 | 18 | 55 | 4 | 27 | 25 | 12 | 12 | 46 | 3 ♐ | 42 | 5 ☌ ♄ ♂. 6 △ ♂ ♀ |
| | 11 | 3 | 37 | 19 | 21 | 7 | 19 | 0 ♑ | 16 | 20 | 41 | 25 | 12 | 6 △ ♄ ♀. 9 □ ♅ ♀ |
| | 16 | 3 | 47 | 19 | 4 | 10 | 1 | 5 | 20 | 28 | 36 | 13 ♒ | 49 | 9 △ ☉ ♀. 19 □ ♄ ♀ |
| | 21 | 3 | 58 | 20 | 13 | 12 | 59 | 10 | 25 | 6 ♒ | 30 | 0 ♑ | 22 | 22 8 ♄ ♀. 26 □ ♀ ♀ |
| | 26 | 4 | 9 | 20 | 39 | 15 | 48 | 15 | 30 | 14 | 24 | 15 | 30 | 26 8 ♂ ♀. 30 ∧ ♃ ♀ |

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## The Diurnal Motion of the Planets.

| Days | ☉ | ☿ | ☽ | ☋ | Lat. | ☽ | ♄ | ♈ | ♃ | ♊ | ♂ | ♈ | ♀ | ♍ | ☿ | ♐ | ☊ | ♊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 20 | 36 | 4 | ♋28 | 1 N | 58 | 29 | 32 | 21 | 12 | 9 | 4 | 16 | 26 | 13 | 57 | 11 | 36 |
| 2 | 21 | 37 | 16 | 46 | 2 | 56 | 29 | 30 | 20 | 4 | 10 | 7 | 17 | 40 | 15 | 31 | 11 | 33 |
| ☉ | 22 | 38 | 28 | 48 | 3 | 45 | 29 | 28 | 20 | 56 | 10 | 34 | 18 | 55 | 17 | 4 | 11 | 30 |
| 4 | 23 | 40 | 10 | ♌43 | 4 | 25 | 29 | 27 | 20 | 48 | 11 | 1 | 20 | 9 | 18 | 38 | 11 | 26 |
| 5 | 24 | 41 | 22 | 33 | 4 | 54 | 29 | 25 | 20 | 40 | 11 | 28 | 21 | 24 | 20 | 11 | 11 | 23 |
| 6 | 25 | 42 | 4 | ♍23 | 5 | 10 | 29 | 24 | 20 | 32 | 11 | 55 | 22 | 38 | 21 | 45 | 11 | 20 |
| 7 | 26 | 43 | 16 | 11 | 5 | 11 | 29 | 23 | 20 | 24 | 12 | 23 | 23 | 53 | 23 | 20 | 11 | 17 |
| 8 | 27 | 44 | 28 | 12 | 5 | 6 | 29 | 21 | 20 | 16 | 12 | 51 | 25 | 7 | 24 | 54 | 11 | 14 |
| 9 | 28 | 45 | 10 | ♎27 | 4 | 34 | 29 | 20 | 20 | 8 | 13 | 19 | 26 | 22 | 26 | 29 | 11 | 10 |
| ☾ | 29 | 46 | 23 | 3 | 3 | 52 | 29 | 19 | 19 | 0 | 13 | 47 | 27 | 36 | 28 | 3 | 11 | 7 |
| 11 | 0 | ♌47 | 5 | ♏56 | 2 | 58 | 29 | 18 | 19 | 53 | 14 | 15 | 28 | ♑50 | 29 | 38 | 11 | 4 |
| 12 | 1 | 48 | 19 | ♐ | 1 | 55 | 29 | 17 | 19 | 45 | 14 | 44 | 0 | ♒ 4 | 1 | ♌14 | 11 | 0 |
| 13 | 2 | 50 | 2 | ♐44 | 0 | 43 | 29 | 16 | 19 | 38 | 15 | 13 | 1 | 18 | 2 | 50 | 10 | 57 |
| 14 | 3 | 51 | 17 | 5 | 0 S | 32 | 29 | 15 | 19 | 30 | 15 | 42 | 2 | 33 | 4 | 26 | 10 | 54 |
| 15 | 4 | 52 | 1 | ♌40 | 1 | 46 | 29 | 14 | 19 | 23 | 16 | 11 | 3 | 47 | 6 | 2 | 10 | 51 |
| 16 | 5 | 54 | 16 | 29 | 2 | 55 | 29 | 13 | 19 | 15 | 16 | 40 | 5 | 1 | 7 | 38 | 10 | 48 |
| ☉ | 6 | 55 | 1 | ♒20 | 3 | 54 | 29 | 13 | 19 | 8 | 17 | 10 | 6 | 15 | 9 | 15 | 10 | 45 |
| 18 | 7 | 56 | 16 | 14 | 4 | 40 | 29 | 12 | 19 | 0 | 17 | 40 | 7 | 29 | 10 | 52 | 10 | 42 |
| 19 | 8 | 57 | 0 | ♓52 | 5 | 4 | 29 | 14 | 18 | 53 | 18 | 10 | 8 | 44 | 12 | 29 | 10 | 39 |
| 20 | 9 | 58 | 15 | 16 | 5 | 10 | 29D | 14 | 18 | 45 | 18 | 41 | 9 | 58 | 14 | 7 | 10 | 35 |
| 21 | 10 | 59 | 29 | 22 | 4 | 57 | 29 | 14 | 18 | 38 | 19 | 12 | 11 | 12 | 15 | 45 | 10 | 32 |
| 22 | 11 | 0 | 13 | ♈ 8 | 4 | 26 | 29 | 14 | 18 | 31 | 19 | 43 | 12 | 26 | 17 | 23 | 10 | 29 |
| 23 | 13 | 2 | 26 | 36 | 3 | 37 | 29 | 15 | 18 | 24 | 20 | 14 | 13 | 41 | 19 | 2 | 10 | 26 |
| ☉ | 14 | 3 | 9 | ♉49 | 2 | 38 | 29 | 15 | 18 | 18 | 20 | 45 | 14 | 54 | 20 | 41 | 10 | 23 |
| 25 | 15 | 4 | 22 | 52 | 1 | 35 | 29 | 16 | 18 | 11 | 21 | 16 | 16 | 8 | 22 | 20 | 10 | 20 |
| 26 | 16 | 5 | 5 | ♊38 | 0 | 29 | 29 | 17 | 18 | 5 | 21 | 48 | 17 | 22 | 23 | 59 | 10 | 16 |
| 27 | 17 | 6 | 18 | 15 | 0 N | 42 | 29 | 18 | 17 | 59 | 22 | 20 | 18 | 36 | 25 | 39 | 10 | 13 |
| 28 | 18 | 7 | 0 | ♋44 | 1 | 47 | 29 | 19 | 17 | 53 | 22 | 52 | 19 | 50 | 27 | 18 | 10 | 10 |
| 29 | 19 | 8 | 13 | 0 | 2 | 43 | 29 | 21 | 17 | 47 | 23 | 24 | 21 | 4 | 28 | 58 | 10 | 7 |
| 30 | 20 | 9 | 25 | 9 | 3 | 32 | 29 | 22 | 17 | 41 | 23 | 56 | 22 | 18 | 0 | ♒37 | 10 | 4 |
| ☉ | 21 | 10 | 7 | ♌ 8 | 4 | 15 | 29 | 23 | 17 | 35 | 24 | 28 | 23 | 32 | 2 | 17 | 10 | 1 |

**The Latitude of the Planets**

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 38 | 0 | 30 | 0 | 21 | 1 | 33 | 0 | 34 | 1 |
| 2 | 37 | 0 | 29 | 0 | 11 | 1 | 38 | 1 | 3 | 6 |
| 2 | 36 | 0 | 28 | 0 | 19 | 1 | 42 | 1 | 30 | 11 |
| 2 | 34 | 0 | 27 | 0 | 27 | 1 | 44 | 1 | 49 | 16 |
| 2 | 33 | 0 | 26 | 0 | 33 | 1 | 45 | 2 | 1 | 21 |
| 2 | 31 | 0 | 24 | 0 | 39 | 1 | 43 | 2 | 5 | 26 |

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## The Lunar Aſpects.

| Ju. A. | W. D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Occid. | ☿ Orien. | Planets Mutual Aſpects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Eligius | | | | 10 □ 32 | | | ☌ ♃ ☉ | 12 |
| 2 | g | Libanus | | | | | 1 ☌ 58 | | * Head Andromeda | 13 |
| 3 | A | *Ad. Sun.* | | 1 □ 20 | | | | | ☌ ♂, at | 14 |
| 4 | b | Barbara | | | 20 ✶ 13 | ☽ △ 36 | | 18 △ 29 | 6 ho. 13′ | 15 |
| 5 | c | Sabina | 4 △ 40 | 13 △ 56 | | | | | ☌ ♃ ♀ | 16 |
| 6 | d | Nichol. | | | | | | | No. Aſſellus | 17 |
| 7 | e | Agat. M. | 22 □ 57 | | 8 □ 19 | | 16 △ 47 | 16 □ 23 | 3° 24′ 2″ ♌ | 18 |
| 8 | f | Con. M. | | | | | | | | 19 |
| 9 | g | Cypri. | | | 17 △ 18 | 5 ☌ 40 | | | △ ♄ ☉. | 20 |
| 10 | A | 2 *Su. Ad.* | 13 ✶ 32 | 11 ☌ 40 | | | 9 □ 22 | 10 ✶ 37 | △ ♄ ♀ | 21 |
| 11 | b | Damaſ. | | | | | | | □ ♄ ♀ | 22 |
| 12 | c | Valerius | | | | | 21 ✶ 13 | | | 23 |
| 13 | d | Lucia V. | | | | 21 △ 38 | | | ☌ ☉ ♀ | 24 |
| 14 | e | Otly V. | | 20 △ 00 | 3 ☌ 56 | | | *Occid.* | | 25 |
| 15 | f | Valeria. | 5 ☌ 34 | | | | | 7 ☌ 56 | * Mid. * Ori. Belt. | 26 |
| 16 | g | Ananias | | 20 □ 35 | | ☽ □ 21 | | | ☌ ♃, at 6 ho. 00′ | 27 |
| 17 | A | 3 *Su. Ad.* | | | | | 8 ☽ 37 | | | 28 |
| 18 | b | Bernar. | | 21 ✶ 20 | 4 △ 27 | 2 ✶ 25 | | | *Shining Harp | 29 |
| 19 | c | Lath. | 13 ✶ 27 | | | | | 21 ✶ 21 | ☌ ♀, at 4 ho. 27′ | 30 |
| 20 | d | Julian | | | 5 □ 55 | | | | ✶ ♃ ♂ | 31 |
| 21 | e | *S. Thom.* | 21 □ 50 | | | | 23 ✶ 28 | | So. Aſſellus | 1 |
| 22 | f | Defide. | | | 9 ✶ 32 | 12 ☌ 13 | | 8 □ 37 | 4° 35′ 10″ ♌ | *Jan.* |
| 23 | g | Victor. | | 4 ☌ 48 | | | | | | |
| 24 | A | 4 *S. Ad.* | 8 △ 23 | | | | 10 □ 18 | 22 △ 56 | □ ☌ ♀ | |
| 25 | b | *Chriſtm.* | | | | | | | | 5 |
| 26 | c | *S. Steph* | | | 23 ☌ 28 | | | | △ ♃ ♀. | 6 |
| 27 | d | *S. John* | | 21 ✶ 16 | | 8 ✶ 13 | ☽ △ 43 | | * Propus ☌ ☽, at | 7 |
| 28 | e | *S. Innoc.* | | | | | | | 16 ho. 26′ | 8 |
| 29 | f | Jonat. | 13 ☌ 10 | | | 21 □ 30 | | | * Procyon ☌ ☽ at | 9 |
| 30 | g | David | | 8 □ 27 | | | | 12 8 43 | 17 ho. 20′ | 10 |
| 31 | A | Silveſt. | | | 21 ✶ 1 | | | | | 11 |

| | ☽ | ♄ | ♂ | ♃ | ☿ | ♂ | ☉ | ♊ | ♀ | ♒ | ☿ | ♏ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 4 | 20 | 21 | 5 | 18 | 33 | 20 | 36 | 22 | 22 | 29 ♏ | 41 | 1 ☌ ♃ ☉. 3 ☍ ♄ ♀ |
| | 6 4 | 31 | 21 | 31 | 21 | 18 | 25 | 42 | ☽ ♐ | 18 | 13 ♐ | 26 | 8 ✶ ♄ ♂. 8 △ ☉ ♀ |
| | 11 4 | 42 | 21 | 57 | 24 | 1 | ☽ ♋ | 47 | 8 | 14 | 27 | 12 | 9 ☍ ♃ ♀. 14 ✶ ♄ ☉ |
| | 16 4 | 52 | 22 | 23 | 26 | 44 | 5 | 54 | 16 | 11 | 11 ♑ | 26 | 14 △ ♄ ♀. 19 □ ♃ ♀ |
| | 21 5 | 3 | 22 | 48 | 29 | 25 | 10 | 59 | 24 | 8 | 26 | 36 | ✶ ♀ ☿ 18. 23 △ ♂ ♀ |
| | 26 5 | 14 | 23 | 14 | 2 ♊ | 6 | 16 | 5 | 2 ♈ | 5 | 13 ♒ | 16 | 24 □ ♄ ♀. 26 ✶ ♂ ☿ |

The

*The Radices of the Middle Motions of the Planets* January *the First*, 1704. *Old Stile, according to* SCIENTIA STELLARUM.

| | S. | ° | ′ | ″ |
|---|---|---|---|---|
| THE Progreſſion of the firſt ✳ of ♈ from the Vernal *Equinox*, | 0 | 29 | 3 | 20 |
| The middle Longitude of the Sun | 9 | 20 | 58 | 00 |
| The Aphelion of the Sun | 3 | 7 | 28 | 22 |
| The Anomaly of the Sun | 6 | 13 | 29 | 38 |
| The middle Longitude of the Moon | 11 | 26 | 39 | 00 |
| The Apogæon of the Moon | 3 | 10 | 52 | 00 |
| The Node Aſcend. of the Moon | 2 | 29 | 20 | 00 |
| The middle Motion of *Saturn* | 0 | 28 | 20 | 00 |
| The Aphelion of *Saturn* | 8 | 28 | 11 | 00 |
| The Node of *Saturn* Aſcend. | 3 | 21 | 35 | 00 |
| The middle Motion of *Jupiter* | 1 | 18 | 7 | 00 |
| The Aphelion of *Jupiter* | 6 | 10 | 7 | 00 |
| The Node Aſcend. of *Jupiter* | 3 | 7 | 18 | 00 |
| The middle Motion of *Mars* | 7 | 12 | 47 | 00 |
| The Aphelion of *Mars* | 5 | 1 | 5 | 00 |
| The Node Aſcend. of *Mars* | 1 | 17 | 58 | 00 |
| The middle Motion of *Venus* | 4 | 25 | 53 | 00 |
| The Aphelion of *Venus* | 10 | 1 | 32 | 00 |
| The Node Aſcend. of *Venus* | 2 | 14 | 23 | 00 |
| The middle Motion of *Mercury* | 10 | 2 | 14 | 00 |
| The Aphelion of *Mercury* | 8 | 13 | 1 | 00 |
| The Node Aſcend. of *Mercury* | 1 | 15 | 14 | 00 |

*End of the Ephemeris for the Year of the Chriſtian* Æra 1704.

AN

A N

# EPHEMERIS

OF THE

# Cœleſtial Motions

AND

# ASPECTS

For the Year of the Chriſtian *ÆRA* 1703.

Calculated for the Meridian of

# *LONDON:*

Whereto are number'd from

| | | | |
|---|---|---|---|
| The | Creation of the World | 5654 | Years. |
| | General Deluge | 3998 | |
| | Building of *London* | 2812 | |
| | Death of *Alexander the Great* | 2027 | |
| | Beginning of the *Julian* Year | 1748 | |
| | Paſſion and Death of Chriſt | 1672 | |
| | Flight of *Mahomet* | 1114 | |
| | Correction of the Calendar by P. *Gregory* | 1235 | |

| *Julian* | | *Gregorian* |
|---|---|---|
| 15 | The Golden Number | 15 |
| 6 | The Cycle of the Sun | 6 |
| G | The Dominical Letters | C |
| 13 | The Roman Indiction | 13 |
| 15 | The Epacts | 5 |
| 18 | Numbers of Direction | 14 |

| *Julian* | | *Gregorian.* |
|---|---|---|
| *Febr.* 18 | *Shrove-Sunday* | 21. *Feb.* |
| *April* 8 | *Eaſter Day* | 11 *Apr.* |
| *May* 13 | *Rogation Sunday* | 16 *May.* |
| *May* 17 | *Aſcenſion day* | 20 *May.* |
| *May* 27 | *Whit-Sunday* | 30 *May.* |
| *Dec.* 2 | *Advent Sunday* | 28 *Nov.* |

By *JOHN WING*, Mathemat.

*LONDON*, Printed in the Year 1702.

*The Calculation of the Sun's Ingreſs into the four Cardinal Signs, with the Planets Places reduc'd to that time.*

## *The Calculation of the Sun's Ingreſs into* ♈, &c.

| | S. | ° | ′ | ″ | S. | ° | ′ | ″ | | S. | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1705 | 9 | 20 | 44 | 41 | 6 | 13 | 14 | 17 | ♄ | ♉ | 4 | 24 | 5 |
| *March* Day 9 | 2 | 7 | 01 | 26 | 2 | 7 | 01 | 15 | ♃ | ♊ | 18 | 33 | 5 |
| Hours 7 | | | 17 | 15 | | | 17 | 15 | ♂ | ♊ | 4 | 25 | 38 |
| 5′ 36″ | | | | 13 | | | | 13 | ♀ | ♉ | 14 | 18 | 31 |
| Middle Mot. ☉ | 11 | 28 | 03 | 35 | 8 | 20 | 33 | 00 | ☿ | ♓ | 4 | 49 | 40 |
| Proſthaph. add. | | 1 | 56 | 25 | | | | | ☽ | ♒ | 1 | 28 | 12 |
| Sun's Place. | ♈ | 00 | 00 | 00 | ☉ enters ♈ | | | | ☊ | ♊ | 6 | 23 | 49 |

## *The Calculation of the Sun's Ingreſs into* ♋, &c.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1705 | 9 | 20 | 44 | 41 | 6 | 13 | 14 | 17 | ♄ | ♉ | 15 | 44 | 52 |
| *June* Day 10 | 5 | 8 | 41 | 21 | 5 | 8 | 40 | 54 | ♃ | ♋ | 6 | 8 | 22 |
| Hours 7 | | | 17 | 15 | | | 17 | 15 | ♂ | ♌ | 1 | 47 | 51 |
| 28′ 48″ | | | 1 | 11 | | | 1 | 11 | ♀ | ♋ | 1 | 2 | 32 |
| Middle Mot. ☉ | 2 | 29 | 44 | 28 | 11 | 22 | 13 | 37 | ☿ | ♊ | 20 | 23 | 28 |
| Proſthaph. add. | | | 15 | 32 | | | | | ☽ | ♋ | 2 | 8 | 57 |
| Sun's Place. | ♋ | 00 | 00 | 00 | ☉ enters ♋ | | | | ☊ | ♊ | 1 | 27 | 4 |

## *The Calculation of the Sun's Ingreſs into* ♎, &c.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1705 | 9 | 20 | 44 | 41 | 6 | 13 | 14 | 17 | ♄ | ♉ | 19 | 31 | 17 |
| *Septemb.* Day 11 | 8 | 10 | 21 | 15 | 8 | 10 | 20 | 39 | ♃ | ♋ | 25 | 7 | 44 |
| Hours 20 | | | 49 | 17 | | | 49 | 17 | ♂ | ♎ | 1 | 9 | 30 |
| 36′ 42″ | | | 1 | 31 | | | 1 | 31 | ♀ | ♌ | 15 | 21 | 15 |
| Middle Mot. ☉ | 6 | 01 | 56 | 44 | 2 | 24 | 25 | 44 | ☿ | ♎ | 25 | 16 | 30 |
| Proſthaph. ſub. | | 1 | 56 | 44 | | | | | ☽ | ♏ | 27 | 57 | 37 |
| Sun's Place. | ♎ | 00 | 00 | 00 | ☉ enters ♎ | | | | ☊ | ♉ | 26 | 30 | 26 |

## *The Calculation of the Sun's Ingreſs into* ♑, &c.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1705 | 9 | 20 | 44 | 41 | 6 | 13 | 14 | 17 | ♄ | ♉ | 13 | 32 | 39 |
| *Decemb.* Day 10 | 11 | 9 | 03 | 45 | 11 | 9 | 02 | 44 | ♃ | ♌ | 27 | 26 | 50 |
| Hours 10 | | | 24 | 38 | | | 24 | 38 | ♂ | ♐ | 1 | 41 | 00 |
| 51′ 15″ | | | 2 | 6 | | | 2 | 6 | ♀ | ♐ | 2 | 19 | 30 |
| Middle Mot. ☉ | 9 | 00 | 15 | 10 | 5 | 22 | 43 | 45 | ☿ | ♑ | 10 | 18 | 41 |
| Proſthaph. ſub. | | | 15 | 10 | | | | | ☽ | ♓ | 13 | 38 | 00 |
| Sun's Place. | ♑ | 00 | 00 | 00 | ☉ enters ♑ | | | | ☊ | ♉ | 21 | 45 | 39 |

*Of*

## *Of the Eclipſes this Year* 1705.

ACcording to Aſtronomical Calculation, there will happen to the Inhabitants of this Terreſtrial Globe only two Eclipſes in this Year, and both of the Greater Luminary the Sun; but neither of them to be ſeen here.

The Firſt Solar Eclipſe is on the eleventh day of *May*; the Beginning whereof happens about the time of Sun-ſetting; for which reaſon it cannot be ſeen here: Beſides the Moon's Parallax in Latitude added to her true Latitude at the middle of the Eclipſe, makes 49′ 28″, exceeding the Sum of the two Semidiameters 17′ 32″; by which it appears, that if the Eclipſe had began before the Sun had ſet, it could not have been viſible here, but will appear a great Eclipſe in the Southern Parts of the World, in the Straights of *Magellanica*, and near the Ocean of the Pacifick Sea.

The Second Solar Defect is *November* 5th day, near 2 in the Afternoon, at which time the Sum of the Moon's Latitude added to her Parallax of Latitude, makes 54′ 50″ exceeding both the Semidiameters 25′ 10″, which plainly demonſtrates the Inviſibility of this Solar Eclipſe here, but will appear a great Eclipſe in the further Parts of *France*, and in *Spain*, and the more remote Southern Countries.

*The Calculation of the Conjunction of* ♄ *and* ♂ January 9*th day, and of* ♃ *and* ♂ *the* 9*th day of* April, *as followeth.*

*Jan.* 9 day at { 10h. 32′ 12″ *M. T.* / 10 23 17 *A. T.* } in 29° 38′ 38″ ♈ S

*April* 8 day at { 17 54 26 *M. T.* / 18 2 50 *A. T.* } in 23 6 22 ♊

## *For the Longitude of* Saturn.

| | S. ° ′ ″ | S. ° ′ ″ | S. ° ′ ″ | |
|---|---|---|---|---|
| Epocha 1705 | 1 10 34 00 | 4 12 22 00 | 3 21 35 00 | Node ♄ |
| *Jan.* Day 9 | 18 00 | 18 00 | 1 5 47 47 | Ecl. place. |
| Hours 10 | 50 | 50 | 9 14 12 47 | Arg. Lat. |
| 32 12″ | 3 | 3 | 596259 | Logar. ♄ |
| Mean mot. ♄ | 1 10 52 53 | 4 12 40 53 | 499282 | Logar. ☉ |
| Proſt. ſub. | 5 5 6 | T. 903023 | 6° 7′ 10″ | Add. 45° |
| Eclipt. place | 1 5 47 47 | C. t. 990652 | 51 7 10 | Sum. |
| Sun's place | 10 0 48 59 | T. 1003780 | 47 29 24 | ½ Com. An. Orb. |
| Anom. Com. | 8 25 1 12 | T. 994432 | 41 29 15 | Half Sum |
| Par. Orb. ſub. | 6 9 9 | Parallax Orb | 6 9 9 | Subſtract |
| Longit. ♄ | ♈ 29 38 38 | Ellongation | 88 49 39 | ♄ á ☉ |

## *For the Latitude of* Saturn.

| | | | |
|---|---|---|---|
| Elongation ♄ á ☉ | 88° 49′ 39″ | A. C. | 000009 |
| Anomaly Orb | 85 1 12 | S. | 999835 |
| Inclination | 2 25 53 | c. t. | 1137107 |
| Latitude ♄ So. Deſcend. | 2 26 20 | c. t. | 1137051 |

## *For the Longitude of* Mars.

| | S. ° ′ ″ | S. ° ′ ″ | S. ° ′ ″ | |
|---|---|---|---|---|
| Epocha 1705 | 1 24 04 00 | 8 22 58 00 | 1 17 59 00 | Node ♂ |
| *Jan.* Day 9 | 4 43 00 | 4 43 00 | 2 9 37 01 | Ecl. Place. |
| Hours 10 | 13 6 | 13 6 | 0 21 38 01 | Arg. Lat. |
| 32′ 12″ | 43 | 43 | 518491 | Logar. ♂ |
| Mean Mot. ♂ | 1 29 00 49 | 8 27 54 49 | 499282 | Logar. ☉ |
| Proſt. add. | 10 36 12 | T. 980791 | 32° 43′ 24″ | Add. 45° |
| Eclipt. place | 2 9 37 01 | C. t. 933767 | 77 43 24 | Sum |
| Sun's place | 10 0 48 59 | T. 1031955 | 64 24 01 | ½ Com. An. Orb. |
| Anom. Com. | 7 21 11 58 | T. 965722 | 24 25 38 | Half Sum. |
| Par. Orb. ſub. | 1 9 58 23 | Parallax Orb | 39 58 23 | Subſtr. |
| Longit. ♂ | ♈ 29 38 38 | Ellongation | 88 49 39 | ♂ á ☉ |

## *For the Latitude of* Mars.

| | | | |
|---|---|---|---|
| Ellongation ♂ á ☉ | 88° 49′ 39″ | A. C. | 000009 |
| Anom. Orb | 51 11 58 | S. | 989172 |
| Inclination | 0 41 00 | c. t. | 1192347 |
| Latit. ♂ No. aſcend. | 0 52 35 | c. t. | 1181528 |

*For*

*For the Longitude of* ♃.

| Tempus datum. | Longit. ♃ | | | | Anom. ♃ | | | | Node ♃ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S. | ° | ′ | ″ | S. | ° | ′ | ″ | S. | ° | ′ | ″ | |
| Epocha 1705 | 2 | 18 | 28 | 00 | 8 | 8 | 20 | 00 | 3 | 7 | 19 | 00 | Node ♃ |
| *April* Day 8 | | | 8 | 00 | | | 8 | 00 | 3 | 2 | 04 | 49 | Ecl. place |
| hours 17 | | | | 32 | | | | 32 | 11 | 24 | 45 | 49 | Arg. Lat. |
| 54′ 26″ | | | | 11 | | | | 11 | 5211331 | | | | Logar. ♃ |
| Mean mot. ♃ | 2 | 26 | 40 | 43 | 8 | 16 | 32 | 43 | 5002286 | | | | Logar. ☉ |
| Proſt. add. | | | 5 | 24 | 06 | Tang. | 928955 | | 11° | 1′ | 20″ | add. 45 | |
| Eclipt. place. | 3 | 02 | 04 | 49 | C. t. | 982862 | | | 56 | 1 | 20 | Sum. | |
| Sun's Place | ☌ | 29 | 53 | 48 | Tang. | 978035 | | | 31 | 15 | 30 | ½ Anom. Orb. | |
| Anom. Com. | 9 | 27 | 48 | 59 | Tang. | 960897 | | | 22 | 7 | 3 | Half Sum | |
| Par. Orb. Sub. | | | 8 | 58 | 27 | Parallax Orb | | | | 8 | 58 | 27 | ſubſtract |
| Longit. ♃ | ♊ | 23 | 6 | 22 | Ellongation | | | | 53 | 12 | 33 | ♃ á ☉ | |

*For the Latitude of* ♃.

| | | | | | |
|---|---|---|---|---|---|
| Elongation ♃ á ☉ | 53° | 12′ | 33″ | A C. | 009647 |
| Comp. Anom. Orb. | 64 | 11 | 1 | S | 995433 |
| Inclination | | 7 | 30 | C. t. | 1286121 |
| Latitude ♃ So deſcending | | 6 | 28 | C. t. | 1271201 |

*For the Longitude of* Mars.

| Tempus datum. | Longit. ♂ | | | | Anom. ♂ | | | | Node ♂ | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S | ° | ′ | ″ | S | ° | ′ | ″ | S | ° | ′ | ″ | |
| Epocha 1705 | 1 | 24 | 04 | 00 | 8 | 22 | 58 | 00 | 1 | 17 | 59 | 00 | Node ♂ |
| *April*, Day 8 | 1 | 21 | 21 | 00 | 1 | 21 | 21 | 00 | 3 | 22 | 46 | 27 | Ecl. place |
| Hours 17 | | | 22 | 16 | | | 22 | 16 | 2 | 4 | 47 | 27 | Arg. Lat. |
| 54′ 26″ | | | 1 | 11 | | | 1 | 11 | 5211179 | | | | Logar. ♂ |
| Mean Mot. ♂ | 3 | 15 | 48 | 27 | 10 | 14 | 42 | 27 | 5002286 | | | | Logar. ☉ |
| Proſt. add. | | 6 | 38 | 00 | Tan. | 979107 | | | 31° | 43′ | 16″ | Add. 45 | |
| Eclipt. place | 3 | 22 | 46 | 27 | C. t. | 937293 | | | 76 | 43 | 16 | Sum | |
| Sun's place | 0 | 29 | 53 | 48 | Tan. | 994588 | | | 41 | 26 | 19 | ½ Ano. Orb. | |
| Anom. Com. | 9 | 07 | 07 | 21 | Tan. | 931881 | | | 11 | 46 | 14 | Half Sum | |
| Par. Orb. ſub. | | 29 | 40 | 05 | Parallax Orb. | | | | 29 | 40 | 5 | Subſtract | |
| Longit. ♂ | ♊ | 23 | 6 | 22 | Ellongation | | | | 53 | 12 | 33 | ♂ á ☉ | |

*For the Latitude of* Mars.

| | | | | | |
|---|---|---|---|---|---|
| Elongation *Mars* á ☉ | 53° | 12′ | 33″ | A C | 009647 |
| Comp. Ano. Orb. | 82 | 52 | 39 | S | 999663 |
| Inclination | 1 | 40 | 30 | C. t. | 1153398 |
| Latit. *Mars* No. aſcen. | 1 | 21 | 8 | C. t. | 1162708 |

JA

## The Diurnal Motion of the Planets.

| Days | ☉ | ♍ | ☽ | ☊ | Lat. | ☽ | ♄ | ♈ | ♃ | ♊ | ♂ | ♈ | ♀ | ♒ | ☿ | ♒ | ☊ | ♊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 22 | 11 | 18 | 58 | 4 N | 45 | 29 | 25 | 17 | 30 | 25 | 0 | 24 | 46 | 3 | 57 | 9 | 57 |
| 2 | 23 | 13 | 0 | ♏47 | 5 | 3 | 29 | 26 | 17 | 25 | 25 | 32 | 26 | 0 | 5 | 37 | 9 | 54 |
| 3 | 24 | 14 | 12 | 34 | 5 | 9 | 29 | 28 | 17 | 20 | 26 | 4 | 27 | 13 | 7 | 16 | 9 | 51 |
| 4 | 25 | 15 | 24 | 30 | 5 | 0 | 29 | 29 | 17 | 15 | 26 | 37 | 28 | 27 | 8 | 54 | 9 | 48 |
| 5 | 26 | 16 | 6 | ♎30 | 4 | 39 | 29 | 31 | 17 | 10 | 27 | 10 | 29 | 41 | 10 | 32 | 9 | 45 |
| 6 | 27 | 17 | 18 | 45 | 4 | 3 | 29 | 33 | 17 | 6 | 27 | 43 | 0♓ | 54 | 12 | 9 | 9 | 41 |
| ☉ | 28 | 19 | 1 | ♏12 | 3 | 17 | 29 | 35 | 17 | 1 | 28 | 16 | 2 | 8 | 13 | 43 | 9 | 38 |
| 8 | 29 | 20 | 13 | 54 | 2 | 16 | 29 | 37 | 16 | 57 | 28 | 50 | 3 | 21 | 15 | 16 | 9 | 35 |
| 9 | 0♎ | 22 | 27 | 9 | 1 | 8 | 29 | 38 | 16 | 53 | 29 | 24 | 4 | 35 | 16 | 47 | 9 | 32 |
| 10 | 1 | 23 | 10 | ♐50 | 0 S | 7 | 29 | 41 | 16 | 49 | 29 | 58 | 5 | 48 | 18 | 16 | 9 | 28 |
| 11 | 2 | 24 | 25 | 0 | 1 | 22 | 29 | 43 | 16 | 45 | 0♉ | 32 | 7 | 2 | 19 | 44 | 9 | 25 |
| 12 | 3 | 25 | 9 | ♍36 | 2 | 32 | 29 | 46 | 16 | 41 | 1 | 7 | 8 | 15 | 21 | 7 | 9 | 22 |
| 13 | 4 | 26 | 24 | 31 | 3 | 33 | 29 | 48 | 16 | 37 | 1 | 42 | 9 | 28 | 22 | 24 | 9 | 19 |
| ☉ | 5 | 27 | 9 | ♎40 | 4 | 20 | 29 | 51 | 16 | 34 | 2 | 16 | 10 | 41 | 23 | 36 | 9 | 16 |
| 15 | 6 | 28 | 24 | 52 | 4 | 55 | 29 | 53 | 16 | 31 | 2 | 50 | 11 | 54 | 24 | 42 | 9 | 12 |
| 16 | 7 | 29 | 9 | ♓55 | 5 | 6 | 29 | 56 | 16 | 29 | 3 | 25 | 13 | 7 | 25 | 42 | 9 | 9 |
| 17 | 8 | 30 | 24 | 42 | 4 | 57 | 29 | 59 | 16 | 26 | 3 | 59 | 14 | 20 | 26 | 34 | 9 | 6 |
| 18 | 9 | 30 | 9 | ♈ 6 | 4 | 30 | 0 | ♉ 2 | 16 | 24 | 4 | 33 | 15 | 33 | 27 | 17 | 9 | 3 |
| 19 | 10 | 31 | 23 | 43 | 3 | 45 | 0 | 5 | 16 | 22 | 5 | 8 | 16 | 46 | 27 | 50 | 9 | 0 |
| 20 | 11 | 32 | 6 | ♉41 | 2 | 48 | 0 | 8 | 16 | 20 | 5 | 42 | 17 | 59 | 28 | 13 | 8 | 56 |
| ☉ | 12 | 33 | 19 | 52 | 1 | 42 | 0 | 11 | 16 | 18 | 6 | 16 | 19 | 12 | 28 | 25 | 8 | 53 |
| 22 | 13 | 34 | 2 | ♊43 | 0 | 32 | 0 | 15 | 16 | 17 | 6 | 51 | 20 | 24 | 28 | 27 | 8 | 50 |
| 23 | 14 | 35 | 15 | 18 | 0 N | 36 | 0 | 18 | 16 | 16 | 7 | 25 | 21 | 36 | 28 R | 19 | 8 | 47 |
| 24 | 15 | 35 | 27 | 39 | 1 | 40 | 0 | 22 | 16 | 15 | 8 | 0 | 22 | 49 | 28 | 2 | 8 | 44 |
| 25 | 16 | 36 | 9 | ♋49 | 2 | 38 | 0 | 26 | 16 | 14 | 8 | 34 | 24 | 1 | 27 | 29 | 8 | 40 |
| 26 | 17 | 37 | 21 | 57 | 3 | 28 | 0 | 30 | 16 | 14 | 9 | 9 | 25 | 13 | 26 | 47 | 8 | 37 |
| 27 | 18 | 38 | 3 | ♌52 | 4 | 8 | 0 | 34 | 16 | 13 | 9 | 44 | 26 | 25 | 26 | 0 | 8 | 34 |
| ☉ | 19 | 38 | 15 | 46 | 4 | 36 | 0 | 38 | 16 | 13 | 10 | 18 | 27 | 37 | 25 | 3 | 8 | 31 |
| 29 | 20 | 39 | 27 | 40 | 4 | 56 | 0 | 43 | 16D | 13 | 10 | 53 | 28 | 49 | 24 | 8 | 8 | 28 |
| 30 | 21 | 40 | 9 | ♍30 | 5 | 40 | 0 | 47 | 16 | 13 | 11 | 27 | 0♈ | 0 | 23 | 28 | 8 | 25 |
| 31 | 22 | 41 | 21 | 20 | 4 | 57 | 0 | 51 | 16 | 13 | 12 | 2 | 1 | 12 | 21 | 51 | 8 | 22 |

### The Latitude of the Planets.

| h | S | ♃ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 30 | 0 | 23 | 0 | 45 | 1 | 39 | 1 | 54 | 1 |
| 2 | 28 | 0 | 22 | 0 | 50 | 1 | 32 | 1 | 28 | 6 |
| 2 | 26 | 0 | 21 | 0 | 55 | 1 | 24 | 0 | 44 | 11 |
| 2 | 25 | 0 | 20 | 0 | 59 | 1 | 14 | 0 N | 23 | 16 |
| 2 | 24 | 0 | 19 | 1 | 2 | 1 | 2 | 1 | 46 | 21 |
| 2 | 22 | 0 | 18 | 1 | 5 | 0 | 48 | 3 | 3 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Occid. | Planets Mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | *Circum.* | | 21△15 | | 12△51 | 13 8 9 | | *Lion's Heart | 12 |
| 2 | b | Abel | | | | | | | ☌ ☽, at | 13 |
| 3 | c | Enoch | | | 9 □34 | | | | 15 ho. 45′ | 14 |
| 4 | d | Methuſ. | 1 △40 | | | | | | | 15 |
| 5 | e | Simeon | | | 20△51 | | | 9 △ 0 | *☌ ♄ ☿ | 16 |
| 6 | f | *Epiphany* | 17*53 | 22 8 43 | | 18 8 51 | △58 | | | 17 |
| 7 | G | 1 *aſt. Ep.* | | | | | | | | 18 |
| 8 | a | Erhard | | | | | | 2 □47 | □ ♄ ☉. □ ☉ ♂ | 19 |
| 9 | b | Joyce, V | | | | | 12□22 | | ☌ ♄ ♂. △ ♃ ♀ | 20 |
| 10 | c | Nicanor | | | 10 8 7 | | | 14* 4 | * Head Hercules | 21 |
| 11 | d | Linus | | 7 △45 | | 9 △30 | 21*37 | | ☌ ☽, at | 22 |
| 12 | e | Satyrius | | | | | | | 2 ho. 00′ | 23 |
| 13 | f | Hilar. B. | 16☌50 | 8 □28 | | 11□46 | | | | 24 |
| 14 | G | 2 *aſt. Ep.* | | | 10△48 | | | 23☌40 | * Head Andromed. | 25 |
| 15 | a | Maurit. | | 8 * 0 | | 13*12 | | | ☌ ☽, at | 26 |
| 16 | b | Marcel. | | | 10□37 | | 5 ☌40 | | 2 ho. 7′ | 27 |
| 17 | c | Antho. | | | | | | | | 28 |
| 18 | d | Pontian | 0 *37 | | 13*30 | | | | □ ♃ ♀ | 29 |
| 19 | e | Wolſt. | | 12☌25 | | 22☌14 | | 8 *34 | | 30 |
| 20 | f | Fa. & Sc. | 9 □32 | | | | 23*24 | | | 31 |
| 21 | G | 3 *aſt. Ep.* | | | | | | 15□58 | * Pleiades | 1 |
| 22 | a | Vincent | 22△30 | | | | | | ☌ ☽, at | |
| 23 | b | Emer. | | | 1 ☌54 | | 13□30 | | 11 ho. 13′ | *Febr.* |
| 24 | c | Timot. | | 5 *20 | | 21*21 | | 0 △44 | | |
| 25 | d | *Co S. P.* | | | | | | | △ ♃ ☉ | 5 |
| 26 | e | Polycar. | | 17□20 | | | 7 △18 | | * Scheat | 6 |
| 27 | f | Chryſoſ. | | | | 12□26 | | | ☌ ♀, at | 7 |
| 28 | G | 4 *aſt. Ep.* | 8 8 25 | | 0 *54 | | | 17 8 23 | 1 ho. 00′ | 8 |
| 29 | a | Valerius | | 5 △43 | | | | | | 9 |
| 30 | b | *K. Ch M* | | | 13□33 | 4 △ 6 | | | ☌ ☉ ☿ | 10 |
| 31 | c | Saturn | | | | | 22 8 20 | *Orien.* | | 11 |

| | D | ♄ | ☌ | ♃ | ♊ | ♂ | ♋ | ☉ | ♌ | ♀ | ♈ | ☿ | ♓ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 5 | 30 | 23 | 45 | 5 | 13 | 22 | 11 | 11 | 39 | 6♓ | 9 | 1 □ ♂ ♀. 3 □ ♃ ☉ |
| Heliocentrick places of the Planets. | 6 | 5 | 41 | 24 | 11 | 7 | 50 | 27 | 17 | 19 | 39 | 28 | 33 | 7 * ♄ ☿. 8 * ♂ ☉ |
| | 11 | 5 | 52 | 24 | 37 | 10 | 26 | 2♌ | 24 | 27 | 38 | 24♈ | 53 | 9 * ♃ ♀. 11 * ♃ ☿ |
| | 16 | 6 | 3 | 25 | 3 | 12 | 59 | 7 | 29 | 5☌ | 39 | 24☌ | 58 | 13 ☌ ♄ ☿. 15 □ ♄ ☉ |
| | 21 | 6 | 14 | 25 | 28 | 15 | 31 | 12 | 33 | 13 | 40 | 26♊ | 52 | 19 ☌ ♂ ☿. 20 ☌ ♃ ☿ |
| | 26 | 6 | 25 | 25 | 54 | 18 | 0 | 17 | 37 | 21 | 42 | 27♋ | 21 | 23 * ♄ ☿. 28 * ♂ ☉ |

FEBRU-

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. | ♄ | ♅ | ♆ | ♃ | ♂ | ☿ | ♀ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23 41 | 3 ♎ 16 | 4 N | 39 | 0 55 | 16 14 | 12 37 | 2 24 | 20 42 | 8 19 | |
| 2 | 24 41 | 15 20 | 4 | 6 | 0 59 | 16 14 | 13 12 | 3 35 | 19 28 | 8 16 | |
| 3 | 25 42 | 27 38 | 3 | 24 | 1 4 | 16 15 | 13 48 | 4 46 | 18 22 | 8 12 | |
| ☉ | 26 43 | 10 ♏ 7 | 2 | 26 | 1 8 | 16 16 | 14 33 | 5 58 | 17 26 | 8 9 | |
| 5 | 27 43 | 23 11 | 1 | 21 | 1 13 | 16 17 | 15 9 | 7 9 | 16 37 | 8 6 | |
| 6 | 28 44 | 6 ♐ 10 | 0 | 11 | 1 17 | 16 19 | 15 44 | 8 20 | 15 55 | 8 3 | |
| 7 | 29 44 | 19 40 | 1 S | 3 | 1 22 | 16 21 | 16 10 | 9 31 | 15 17 | 8 0 | |
| 8 | 0 ♓ 44 | 3 ♑ 37 | 2 | 15 | 1 26 | 16 23 | 16 46 | 10 42 | 14 44 | 7 57 | |
| 9 | 1 45 | 18 23 | 3 | 19 | 1 31 | 16 25 | 17 21 | 11 53 | 14 16 | 7 53 | |
| 10 | 2 45 | 2 ♒ 50 | 4 | 10 | 1 36 | 16 27 | 17 57 | 13 3 | 13 55 | 7 50 | |
| ☉ | 3 46 | 17 56 | 4 | 46 | 1 41 | 16 29 | 18 33 | 14 14 | 13 42 | 7 47 | |
| 12 | 4 46 | 3 ♓ 9 | 4 | 59 | 1 47 | 16 32 | 19 9 | 15 24 | 13 37 | 7 44 | |
| 13 | 5 46 | 18 20 | 4 | 58 | 1 52 | 16 34 | 19 44 | 16 34 | 13 36 | 7 40 | |
| 14 | 6 46 | 3 ♈ 19 | 4 | 34 | 1 58 | 16 37 | 20 20 | 17 45 | 13 41 | 7 37 | |
| 15 | 7 46 | 17 58 | 3 | 55 | 2 4 | 16 40 | 20 56 | 18 55 | 13 54 | 7 34 | |
| 16 | 8 47 | 2 ♉ 12 | 2 | 57 | 2 10 | 16 43 | 21 32 | 20 5 | 14 14 | 7 31 | |
| 17 | 9 47 | 15 57 | 1 | 53 | 2 16 | 16 47 | 22 8 | 21 15 | 14 38 | 7 27 | |
| ☉ | 10 47 | 29 14 | 0 | 45 | 2 22 | 16 51 | 22 44 | 22 24 | 15 5 | 7 24 | |
| 19 | 11 47 | 12 ♊ 6 | 0 N | 24 | 2 28 | 16 55 | 23 20 | 23 34 | 15 38 | 7 21 | |
| 20 | 12 47 | 24 38 | 1 | 31 | 2 34 | 16 59 | 23 56 | 24 44 | 16 15 | 7 18 | |
| 21 | 13 47 | 6 ♋ 53 | 2 | 34 | 2 40 | 17 3 | 24 32 | 25 53 | 16 56 | 7 15 | |
| 22 | 14 47 | 18 58 | 3 | 28 | 2 46 | 17 8 | 25 8 | 27 2 | 17 40 | 7 12 | |
| 23 | 15 47 | 0 ♌ 53 | 4 | 8 | 2 52 | 17 12 | 25 44 | 28 11 | 18 28 | 7 9 | |
| 24 | 16 47 | 12 46 | 4 | 38 | 2 58 | 17 17 | 26 20 | 29 20 | 19 20 | 7 5 | |
| ☉ | 17 46 | 24 38 | 4 | 57 | 3 4 | 17 22 | 26 56 | 0 ♍ 29 | 20 16 | 7 2 | |
| 26 | 18 46 | 6 ♍ 30 | 5 | 2 | 3 10 | 17 27 | 27 32 | 1 38 | 21 15 | 6 59 | |
| 27 | 19 46 | 18 27 | 4 | 54 | 3 17 | 17 32 | 28 8 | 2 47 | 22 19 | 6 56 | |
| 28 | 20 46 | 0 ♎ 28 | 4 | 39 | 3 23 | 17 37 | 28 45 | 3 55 | 23 19 | 6 53 | |

### The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 20 | 0 | 17 | 1 | 8 | 0 | 29 | 3 | 46 | 1 |
| 2 | 19 | 0 | 16 | 1 | 10 | 0 | 13 | 3 | 14 | 6 |
| 2 | 18 | 0 | 15 | 1 | 11 | 0 | N 7 | 2 | 16 | 11 |
| 2 | 17 | 0 | 14 | 1 | 13 | 0 | 27 | 1 | 9 | 16 |
| 2 | 16 | 0 | 13 | 1 | 14 | 0 | 48 | 0 | 10 | 21 |
| 2 | 15 | 0 | 13 | 1 | 15 | 1 | 9 | 0 S | 42 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | d | Bridget | | | | | | | | 12 |
| 2 | e | *Pu.V.M.* | 19△49 | | 1 △51 | | | 7 △25 | ☿ Virgins Spick | 13 |
| 3 | f | Blaſe | | 6 ✶34 | | | | | ☌ ☽, at | 14 |
| 4 | ☉ | *Septuag.* | | | | 8 ✶40 | | 12□49 | 8 ho. 33′ | 15 |
| 5 | a | Agatha. | 9 ♌15 | | | | | | △♃♀ | 16 |
| 6 | b | Doroth. | | | 18 ✶ 6 | | 4 △11 | 16✶38 | □☌♀ | 17 |
| 7 | c | Augul. | 17✶20 | 21△47 | | | | | | 18 |
| 8 | d | Paul Ep | | | | 22△50 | 12□51 | | ✶♄☉ | 19 |
| 9 | e | Apollon | | 21□51 | | | | | | 20 |
| 10 | f | Schol. | | | 21△41 | | 17✶35 | 17☌24 | ✶♀♀ | 21 |
| 11 | ☉ | *Sexageſ.* | | 21✶42 | | 1 □ 0 | | | | 22 |
| 12 | a | Eufrace | 2 ☌43 | | 21□10 | | | | | 23 |
| 13 | b | Euſtat. | | | | 1 ✶22 | | | ✶♃♀ | 24 |
| 14 | c | Valent. | | | 21✶50 | | | 17✶15 | ☿ Head Andromeda | 25 |
| 15 | d | Fauſtin | | 23☌56 | | | 1 ☌44 | | ☌ ☽, at | 26 |
| 16 | e | Polycr. | 12✶22 | | | | | 21□40 | 11 ho. 20′ | 27 |
| 17 | f | Ciner. | | | | 11☌42 | | | 16 day Head of | 28 |
| 18 | ☉ | *Sh. Sun.* | 21□31 | | | | | | Algol ☌ ☽. at | March |
| 19 | a | Roman. | | | 9 ☌17 | | | 7 △ 8 | 21 ho. 20′ | |
| 20 | b | Mildr. | | 15✶40 | | | 0 ✶ 6 | | | |
| 21 | c | 69 Mar. | 14△57 | | | | | | △♃♀ | 4 |
| 22 | d | Cat. Pet. | | | | 13✶ 3 | 17□57 | | 23 day Pleiades | 5 |
| 23 | e | Polyc. | | 4 □ 4 | | | | | ☌☌, at 4 h. 40′ | 6 |
| 24 | f | *S. Matt.* | | | 9 ✶11 | | | 14 8 25 | □♃☉ | 7 |
| 25 | ☉ | *Quadr.* | | 17△ 8 | | 4 □50 | 11△50 | | 27 day Schedir | 8 |
| 26 | a | Simeon | | | 22□10 | | | | ☌♀, at 20 ho. 7′ | 9 |
| 27 | b | Auguſt. | 2 ☌45 | | | 20△19 | | | ☌♄♀. | 10 |
| 28 | c | Oſwald | | | | | | | | 11 |

| | D | ♄ | ♉ | ♃ | ♊ | ♂ | ♊ | ☉ | ♌ | ♀ | ♓ | ☿ | ♌ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 6 | 37 | 26 | 25 | 21 | 3 | 23 | 41 | 1 | 22 | 29♌ | 9 | 3△♄♀. 4✶♃☉ |
| | 6 | 6 | 48 | 26 | 51 | 23 | 32 | 28 | 44 | 9 | 26 | 21♍ | 18 | 5□☌♀. 8□♃♀ |
| | 11 | 6 | 59 | 27 | 16 | 26 | 0 | 3♎ | 46 | 17 | 30 | 10♎ | 25 | 15△♀♀. 15✶♄☉ |
| | 16 | 7 | 10 | 27 | 42 | 28 | 27 | 8 | 47 | 25 | 35 | 27 | 21 | 13☌♃☌. 16△♃♀ |
| | 21 | 7 | 21 | 28 | 8 | 0♋ | 52 | 13 | 47 | 3♋ | 41 | 12♍ | 41 | 16△☌♀. 18☌♃♀ |
| | 26 | 7 | 31 | 28 | 34 | 3 | 17 | 18 | 46 | 11 | 47 | 27 | 2 | 23✶♄♀. 23✶♄♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. | ☽ | ♄ | ☿ | ♃ | ♅ | ♂ | ☿ | ♀ | ☿ | ♐ | ♐ | ♅ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | | ° ′ | ° ′ | |
| 1 | 21 46 | 12 35 | 4 N | 7 | 3 25 | | 17 42 | | 29 22 | | 5 3 | | 24 25 | 6 50 | |
| 2 | 22 45 | 24 52 | 3 | 26 | 3 36 | | 17 48 | | 29 58 | | 6 10 | | 25 33 | 6 47 | |
| 3 | 23 45 | 7 ♏ 19 | 2 | 32 | 3 42 | | 17 53 | | 0 ♊ 35 | | 7 18 | | 26 43 | 6 44 | |
| ☉ | 24 45 | 19 55 | 1 | 30 | 3 49 | | 17 59 | | 1 11 | | 8 25 | | 27 55 | 6 40 | |
| 5 | 25 44 | 2 ♐ 45 | 0 | 22 | 3 55 | | 18 51 | | 1 48 | | 9 32 | | 29 9 | 6 37 | |
| 6 | 26 44 | 15 51 | 0 S | 50 | 4 2 | | 18 11 | | 2 25 | | 10 39 | | 0 ♓ 24 | 6 34 | |
| 7 | 27 44 | 29 17 | 1 | 57 | 4 9 | | 18 18 | | 3 1 | | 11 45 | | 1 42 | 6 31 | |
| 8 | 28 43 | 13 ♑ 43 | 3 | 54 | 4 16 | | 18 24 | | 3 38 | | 12 52 | | 3 26 | 6 28 | |
| 9 | 29 43 | 27 11 | 4 | 0 | 4 22 | | 18 31 | | 4 15 | | 13 59 | | 4 25 | 6 25 | |
| 10 | 0 ♈ 42 | 11 ♒ 41 | 4 | 41 | 4 29 | | 18 38 | | 4 51 | | 15 5 | | 5 49 | 6 21 | |
| ☉ | 1 42 | 26 28 | 5 | 14 | 4 36 | | 18 45 | | 5 28 | | 16 12 | | 7 15 | 6 18 | |
| 12 | 2 41 | 11 ♓ 30 | 5 | 34 | 4 43 | | 18 53 | | 6 5 | | 17 18 | | 8 41 | 6 15 | |
| 13 | 3 40 | 26 33 | 4 | 42 | 4 50 | | 19 0 | | 6 42 | | 18 25 | | 10 7 | 6 12 | |
| 14 | 4 40 | 11 ♈ 30 | 4 | 6 | 4 57 | | 19 8 | | 7 18 | | 19 31 | | 11 33 | 6 8 | |
| 15 | 5 39 | 26 13 | 3 | 15 | 5 4 | | 19 16 | | 7 55 | | 20 36 | | 13 1 | 6 5 | |
| 16 | 6 38 | 10 ♉ 31 | 2 | 12 | 5 11 | | 19 24 | | 8 32 | | 21 41 | | 14 30 | 6 2 | |
| 17 | 7 37 | 24 24 | 1 | 25 | 5 18 | | 19 32 | | 9 9 | | 22 45 | | 16 1 | 5 58 | |
| ☉ | 8 36 | 7 ♊ 46 | 0 N | 9 | 5 25 | | 19 41 | | 9 45 | | 23 48 | | 17 35 | 5 55 | |
| 19 | 9 35 | 20 46 | 1 | 20 | 5 32 | | 19 49 | | 10 22 | | 24 51 | | 19 12 | 5 52 | |
| 20 | 10 34 | 3 ♋ 19 | 2 | 24 | 5 40 | | 19 58 | | 10 59 | | 25 53 | | 20 51 | 5 49 | |
| 21 | 11 33 | 15 34 | 3 | 21 | 5 47 | | 20 6 | | 11 36 | | 26 55 | | 22 43 | 5 46 | |
| 22 | 12 32 | 27 36 | 4 | 5 | 5 54 | | 20 15 | | 12 13 | | 27 57 | | 24 26 | 5 43 | |
| 23 | 13 31 | 9 ♌ 28 | 4 | 40 | 6 1 | | 20 23 | | 12 50 | | 28 59 | | 26 10 | 5 40 | |
| 24 | 14 30 | 21 18 | 5 | 0 | 6 8 | | 20 32 | | 13 26 | | 0 ♊ 0 | | 27 55 | 5 36 | |
| ☉ | 15 29 | 3 ♍ 10 | 5 | 8 | 6 15 | | 20 41 | | 14 3 | | 1 1 | | 29 40 | 5 33 | |
| 26 | 16 28 | 15 5 | 5 | 1 | 6 23 | | 20 50 | | 14 40 | | 2 2 | | 1 ♈ 26 | 5 30 | |
| 27 | 17 27 | 27 4 | 4 | 43 | 6 30 | | 21 0 | | 15 17 | | 3 2 | | 3 14 | 5 27 | |
| 28 | 18 25 | 9 ♎ 14 | 4 | 8 | 6 37 | | 21 9 | | 15 53 | | 4 3 | | 5 4 | 5 24 | |
| 29 | 19 24 | 21 36 | 3 | 28 | 6 45 | | 21 19 | | 16 30 | | 5 3 | | 6 55 | 5 21 | |
| 30 | 20 23 | 4 ♏ 8 | 2 | 37 | 6 53 | | 21 29 | | 17 7 | | 6 4 | | 8 47 | 5 17 | |
| 31 | 21 22 | 16 56 | 1 | 36 | 7 1 | | 21 39 | | 17 43 | | 7 4 | | 10 40 | 5 14 | |

## The Latitude of the Planets.

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 14 | 0 | 12 | 1 | 16 | 1 | 22 | 1 | 9 | 1 |
| 2 | 13 | 0 | 11 | 1 | 17 | 1 | 43 | 1 | 52 | 6 |
| 2 | 12 | 0 | 10 | 1 | 18 | 2 | 4 | 2 | 8 | 11 |
| 2 | 12 | 0 | 10 | 1 | 19 | 2 | 25 | 2 | 22 | 16 |
| 2 | 11 | 0 | 9 | 1 | 20 | 3 | 45 | 2 | 21 | 21 |
| 2 | 10 | 0 | 8 | 1 | 21 | 3 | 4 | 2 | 7 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | David B. | | | 10△ 6 | | | | * Virgins Spick | 12 |
| 2 | ☾ | Chad. B. | | 17 8 0 | | | 23 8 58 | 1 △25 | ☌ ☽, at | 13 |
| 3 | ☿ | Mauri. | | | | | | | 13 ho. 58′ | 14 |
| 4 | ☉ | 2 S. Len. | 8 △57 | | | 23 8 48 | | 16□33 | | 15 |
| 5 | ♂ | Euſeb. | | | | | | | * Fomahant | 16 |
| 6 | ♃ | Victor | 20□57 | | 4 8 19 | | | | ☌ ♀, at | 17 |
| 7 | ♀ | Perpet. | | 8 △30 | | | 23△36 | 4 ✶42 | 9 ho. 24′ | 18 |
| 8 | ☽ | Aquinas | | | | | | | | 19 |
| 9 | ☾ | Apollon | 4 ✶34 | 12□ 0 | | 12△13 | | | ✶ ♄ ☿. □☌ ♀ | 20 |
| 10 | ♂ | Alexan. | | | 11△20 | | 5 □58 | | | 21 |
| 11 | ☉ | 3 S. Lent | | 14✶42 | | 14□58 | | 19☌ 3 | * Aldebaran ☌ ☌ | 22 |
| 12 | ♃ | Grego. | | | 11□52 | | 9 ✶57 | | at 6 ho. 57′ | 23 |
| 13 | ♄ | Theod. | 12☌14 | | | 17✶ 0 | | | 15 day Middle * | 24 |
| 14 | ☾ | Eutych. | | | 12✶32 | | | | of Orions Belt. | 25 |
| 15 | ☿ | Longin. | | 16☌38 | | | | | ☌ 4, at 15 ho. 00′ | 26 |
| 16 | ♀ | Hilarius | | | | | 20☌52 | 8 ✶27 | | 27 |
| 17 | ☽ | Gertr. | | | | | | | 16 day Head Algol | 28 |
| 18 | ☉ | M. L. Su. | 1 ✶38 | | 22☌13 | 3 ☌42 | | 20□43 | ☌ ♀, at 8 ho. 37′ | 29 |
| 19 | ♂ | Joſeph | | | | | | | □ 4 ♀ | 30 |
| 20 | ♃ | Cuthb. | 15□25 | 4 ✶39 | | | | | | 31 |
| 21 | ♀ | Bened. | | | | | | 14△16 | ✶ ☉ ☌ | 1 |
| 22 | ☽ | Paulin. | | 16□56 | | | 0 ✶42 | | * Rigel ☌ ☌ | April |
| 23 | ☉ | Victor. | 8 △56 | | 22✶28 | 7 ✶11 | | | at 19 ho. 35′ | |
| 24 | ♃ | Agapit. | | | | | 19□12 | | | |
| 25 | ☿ | An. V. M. | | 6 △16 | | 19□17 | | | | 5 |
| 26 | ♂ | Caſt. M. | | | 11□42 | | | | ✶ ♀ ♀ | 6 |
| 27 | ♄ | Mercian | | | | | 12△50 | 14 8 22 | | 7 |
| 28 | ♀ | Doroth. | 19 8 20 | | 23△26 | 13△32 | | | | 8 |
| 29 | ☽ | Quint. | | | | | | | * Aldebaran ☌ ♀ | 9 |
| 30 | ☉ | Guido | | 5 8 11 | | | | | at 14 ho. 10′ | 10 |
| 31 | ♃ | Balbin. | | | | | | | ✶ ☉ 4 | 11 |

| | D | ♄ | ☌ | ♃ | ♍ | ♂ | ♎ | ☉ | ♏ | ♀ | ♎ | ☿ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 7 | 37 | 28 | 48 | 4 | 43 | 21 | 46 | 16 | 38 | 5 | ♐20 | 6✶ ♄ ☌. 9□ 4 ☉ |
| | 6 | 7 | 48 | 29 | 13 | 7 | 6 | 26 | 44 | 24 | 44 | 19 | 1 | 9✶ ♀ ☉. 10☐ ☉ ♀ |
| | 11 | 7 | 59 | 29 | 38 | 9 | 28 | 1 | ♎42 | 28 | ♌51 | 2 | ♍55 | 13△ ♄ ♀. 13 8 ☌ ♀ |
| | 16 | 8 | 10 | 0 | ♎ 4 | 11 | 49 | 6 | 38 | 10 | 58 | 17 | 29 | 14□ ♄ ♀. 20△ 4 ♀ |
| | 21 | 8 | 21 | 0 | 29 | 14 | 8 | 11 | 33 | 19 | 4 | 3 | ♒11 | 23□ ♄ ♀. 24△ ☌ ♀ |
| | 26 | 8 | 22 | 0 | 55 | 16 | 27 | 16 | 28 | 27 | 52 | 0 | 38 | 26□ ☌ ☉ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. ☽ | ♄ | ♅ | ♃ | ♂ | ♀ | ☿ | ☿ | ♌ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ♈ | ♏ | | ♑ | ♑ | ♓ | ♊ | ♉ | ♈ | ♓ | ♊ |
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| ☉ | 22 20 | 29 50 | 0 28 | 7 8 | 21 49 | 18 20 | 8 4 | 12 35 | 5 11 | | |
| 2 | 23 19 | 12 ♐ 53 | 0 S 41 | 7 16 | 21 59 | 18 57 | 9 3 | 14 32 | 5 7 | | |
| 3 | 24 18 | 26 12 | 1 51 | 7 23 | 22 10 | 19 34 | 10 2 | 16 31 | 5 4 | | |
| 4 | 25 16 | 9 ♑ 43 | 2 59 | 7 31 | 22 20 | 20 11 | 11 0 | 18 31 | 5 1 | | |
| 5 | 26 15 | 23 27 | 3 56 | 7 38 | 22 30 | 20 48 | 11 57 | 20 33 | 4 58 | | |
| 6 | 27 13 | 7 ♒ 24 | 4 35 | 7 45 | 22 41 | 21 25 | 12 54 | 22 37 | 4 55 | | |
| 7 | 28 12 | 21 36 | 5 27 | 7 53 | 22 51 | 22 2 | 13 50 | 24 42 | 4 52 | | |
| ☉ | 29 10 | 6 ♓ 3 | 5 9 | 8 1 | 23 1 | 22 39 | 14 45 | 26 48 | 4 49 | | |
| 9 | 0 ♉ 8 | 20 40 | 4 55 | 8 9 | 23 12 | 23 16 | 15 39 | 28 55 | 4 46 | | |
| 10 | 1 7 | 5 ♈ 18 | 4 23 | 8 17 | 23 22 | 23 53 | 16 33 | 1 ♉ 4 | 4 43 | | |
| 11 | 2 5 | 19 55 | 3 33 | 8 25 | 23 32 | 24 30 | 17 26 | 3 12 | 4 39 | | |
| 12 | 3 3 | 4 ♉ 20 | 2 30 | 8 33 | 23 43 | 25 7 | 18 19 | 5 22 | 4 36 | | |
| 13 | 4 2 | 18 43 | 1 23 | 8 41 | 23 53 | 25 44 | 19 12 | 7 32 | 4 33 | | |
| 14 | 5 0 | 2 ♊ 24 | 0 11 | 8 49 | 24 4 | 26 21 | 20 4 | 9 41 | 4 30 | | |
| ☉ | 5 58 | 15 50 | 1 N 0 | 8 57 | 24 15 | 26 58 | 20 55 | 11 50 | 4 27 | | |
| 16 | 6 56 | 28 50 | 2 6 | 9 5 | 24 26 | 27 35 | 21 45 | 13 59 | 4 23 | | |
| 17 | 7 54 | 11 ♋ 27 | 3 7 | 9 13 | 24 37 | 28 12 | 22 30 | 16 7 | 4 20 | | |
| 18 | 8 53 | 23 46 | 3 57 | 9 21 | 24 48 | 28 49 | 23 24 | 18 14 | 4 17 | | |
| 19 | 9 51 | 5 ♌ 49 | 4 35 | 9 29 | 24 59 | 29 26 | 24 12 | 20 19 | 4 14 | | |
| 20 | 10 49 | 17 41 | 5 3 | 9 37 | 25 10 | 0 ♋ 3 | 25 0 | 22 22 | 4 10 | | |
| 21 | 11 47 | 29 29 | 5 13 | 9 44 | 25 21 | 0 40 | 25 47 | 24 23 | 4 7 | | |
| ☉ | 12 45 | 11 ♍ 19 | 5 7 | 9 52 | 25 33 | 1 17 | 26 32 | 26 21 | 4 4 | | |
| 23 | 13 43 | 23 12 | 4 52 | 9 59 | 25 45 | 1 54 | 27 17 | 28 19 | 4 1 | | |
| 24 | 14 41 | 5 ♎ 18 | 4 23 | 10 7 | 25 57 | 2 31 | 28 1 | 0 ♊ 12 | 3 58 | | |
| 25 | 15 39 | 17 36 | 3 41 | 10 14 | 26 9 | 3 8 | 28 43 | 2 2 | 3 54 | | |
| 26 | 16 37 | 0 ♏ 10 | 2 48 | 10 22 | 26 22 | 3 45 | 29 25 | 3 49 | 3 51 | | |
| 27 | 17 35 | 12 56 | 1 47 | 10 29 | 26 34 | 4 22 | 0 ♋ 6 | 5 32 | 3 48 | | |
| 28 | 18 33 | 26 1 | 0 42 | 10 37 | 26 46 | 4 59 | 0 45 | 7 12 | 3 45 | | |
| ☉ | 19 31 | 9 ♐ 18 | 0 S 29 | 10 44 | 26 59 | 5 36 | 1 24 | 8 48 | 3 43 | | |
| 30 | 20 29 | 22 48 | 1 40 | 10 51 | 27 11 | 6 13 | 2 2 | 10 21 | 3 39 | | |

### The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 10 | 0 | 7 | 1 | 21 | 3 | 27 | 1 | 41 | 1 |
| 2 | 10 | 0 | 7 | 1 | 21 | 3 | 37 | 1 | 2 | 6 |
| 2 | 9 | 0 | 6 | 1 | 21 | 3 | 48 | 0 | 14 | 11 |
| 2 | 9 | 0 | 5 | 1 | 21 | 3 | 54 | 0 | N 38 | 16 |
| 2 | 9 | 0 | 5 | 1 | 21 | 3 | 58 | 1 | 28 | 21 |
| 2 | 9 | 0 | 4 | 1 | 21 | 3 | 54 | 2 | 3 | 26 |

## The Lunar Aſpects.

| Ap. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Occid. | ☿ Orien. | Planets Mutual Aſpects. | Reg. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♉ | *Pal. Sun* | | | | | 16 8 23 | | 2 day middle * of | 12 |
| 2 | a | Ma. Eg. | 20 △ 20 | | 16 8 38 | 11 8 28 | | 3 △ 57 | Oriens Belt | 13 |
| 3 | b | Richard | | 20 △ 5 | | | | | ☌ ♂, at | 14 |
| 4 | c | Ambro. | | | | | | 18 □ 4 | 15 ho. 34′ | 15 |
| 5 | d | Martin. | ☽ □ ☊ | | | | | | *☌♂♀ | 16 |
| 6 | e | Sixtus | | ☊ □ 4♌ | | | 9 △ 57 | | *☌♃♀ | 17 |
| 7 | f | Cæleſt. | 11 * 45 | | 2 △ 6 | ☊ △ 47 | | 6 * 2 | | 18 |
| 8 | ♉ | *Ea. Day* | | 3 * 12 | | | 14 □ 13 | | | 19 |
| 9 | a | Vincent | | | 4 □ 12 | 4 □ 20 | | | ☌♃♂ | 20 |
| 10 | b | Marcel. | | | | | 19 * 39 | | ☌☉♀ | 21 |
| 11 | c | Leo Pa. | 21 ☌ 42 | | 4 * 24 | 8 * 1 | | *Occid.* | | 22 |
| 12 | d | Julius | | 7 ☌ 6 | | | | 2 ☌ 2 | | 23 |
| 13 | e | Juſtinus | | | | | | | ☌ ♄ ♀ * middle, * | 24 |
| 14 | f | Tiburt. | | | | | | | of Oriens Belt | 25 |
| 15 | ♉ | *L. Sund.* | | | 15 ☌ 45 | 20 ☌ 35 | 10 ☌ 2 | | ☌ ♀, at | 26 |
| 16 | a | Cariſius | 15 * 26 | 19 * 42 | | | | | 4 ho. 10′ | 27 |
| 17 | d | Anicet. | | | | | | 9 * 58 | | 28 |
| 18 | c | Eluther | | | | | | | ☌ ♄ ☉ | 29 |
| 19 | d | Tim. D. | 8 □ 49 | 7 □ 28 | | | | | | 30 |
| 20 | e | Victor | *Orien.* | | 14 * 26 | | 16 * 4 | 11 □ 30 | ☌ ♃ ♀ | |
| 21 | f | Simeon | | 21 △ 3 | | ☊ * 23 | | | * Pleiades | *May* |
| 22 | ♉ | *2 p. Ea.* | 3 △ 7 | | | | | | ☌ ♀, at | |
| 23 | a | *S. GEO.* | | | 5 □ 7 | 18 □ 13 | 21 □ 17 | 12 △ ☊ | 17 ho. 45′ | |
| 24 | b | Wilfr. | | | | | | | | |
| 25 | c | *S. Mark* | | | 16 △ 38 | | 22 △ 30 | | * Arcturus | 6 |
| 26 | d | Cletus | | 19 8 22 | | 7 △ 4 | | | ☌ ☽, at | 7 |
| 27 | e | Anaſt. | 9 8 14 | | | | | | 4 ho. 45′ | 8 |
| 28 | f | Vitalis | | | | | | 23 8 ♌ | | 9 |
| 29 | ♉ | *3 p. Ea.* | | | | | | | 28 day Propus | 10 |
| 30 | a | Eutrop | | | 7 8 52 | | 17 8 3 | | ☌ ♃, at 6 ho. 00′ | 11 |

| | ☽ | ♄ | ♂ | ♃ | ♋ | ♂ | ♋ | ☉ | ♎ | ♀ | ♑ | ☿ | ♓ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 8 | 45 | 1 | 26 | 19 | 13 | 22 | 20 | 6 | 53 | 14 ♓ | 49 | 3 □ ♂ ☉. 3 △ ♄ ♀ | |
| | 6 8 | 56 | 1 | 51 | 21 | 31 | 27 | 13 | 14 | 57 | 8 ♈ | 44 | 4 □ ♃ ☿. 10 * ♃ ♂ | |
| | 11 9 | 6 | 2 | 16 | 23 | 48 | 2 ♍ | 5 | 23 | 2 | 6 ♉ | 44 | 13 ☌ ♄ ☿. 11 △ ♃ ☉ | |
| | 16 9 | 17 | 2 | 41 | 26 | 4 | 6 | 56 | 1 ♎ | 6 | 7 ♊ | 53 | 11 * ☌ ♂ ♀ 17 □ ♃ ♀ | |
| | 21 9 | 28 | 3 | 7 | 28 | 20 | 11 | 47 | 9 | 10 | 9 ♋ | 34 | 19 8 ♄ ☉. 19 ☌ ♃ ☿ | |
| | 26 9 | 39 | 3 | 32 | 0 ♌ | 35 | 16 | 37 | 17 | 13 | 8 ♌ | 47 | 21 * ♄ ♀. 26 □ ♄ ♀ | |

MAY

## The Diurnal Motion of the Planets.

| Days | ☉ | ☿ | ☽ | ♍ | Lat. ☽ | ♄ | ♂ | ♃ | ♊ | ♂ | ♋ | ♀ | ♋ | ☿ | ♊ | ☊ | ♊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | |
| 1 | 21 | 26 | 6 | 26 | 2 ♌ | 47 | 10 | 58 | 27 | 23 | 6 | 50 | 2 | 38 | 11 | 49 | 3 | 35 |
| 2 | 22 | 24 | 20 | 20 | 3 | 46 | 11 | 6 | 27 | 35 | 7 | 27 | 3 | 13 | 13 | 14 | 3 | 32 |
| 3 | 23 | 22 | 4 | ♎ 13 | 4 | 32 | 11 | 13 | 27 | 48 | 8 | 4 | 3 | 47 | 14 | 36 | 3 | 29 |
| 4 | 24 | 20 | 18 | 9 | 5 | 4 | 11 | 20 | 28 | 0 | 8 | 41 | 4 | 20 | 15 | 55 | 3 | 26 |
| 5 | 25 | 17 | 2 | ♐ 8 | 5 | 16 | 11 | 28 | 28 | 13 | 9 | 19 | 4 | 51 | 17 | 19 | 3 | 23 |
| ☉ | 26 | 15 | 16 | 16 | 5 | 4 | 11 | 35 | 28 | 25 | 9 | 56 | 5 | 20 | 18 | 21 | 3 | 20 |
| 7 | 27 | 13 | 0 | ♑ 33 | 4 | 37 | 11 | 42 | 28 | 38 | 10 | 33 | 5 | 49 | 19 | 29 | 3 | 17 |
| 8 | 28 | 10 | 14 | 48 | 3 | 50 | 11 | 49 | 28 | 50 | 11 | 10 | 6 | 16 | 20 | 33 | 3 | 13 |
| 9 | 29 | 8 | 29 | ♒ c | 2 | 51 | 11 | 57 | 29 | 3 | 11 | 47 | 6 | 41 | 21 | 33 | 3 | 10 |
| 10 | ♊ | 5 | 13 | ♓ 4 | 1 | 44 | 12 | 4 | 29 | 15 | 12 | 24 | 7 | 4 | 22 | 29 | 3 | 7 |
| 11 | 1 | 3 | 26 | 57 | 0 | 31 | 12 | 12 | 29 | 28 | 13 | 1 | 7 | 25 | 23 | 22 | 3 | 4 |
| 12 | 2 | 1 | 10 | ♈ 37 | 0 N | 40 | 12 | 19 | 29 | 41 | 13 | 38 | 7 | 45 | 24 | 12 | 3 | 1 |
| ☉ | 2 | 59 | 23 | 58 | 1 | 49 | 12 | 27 | 29 | 54 | 14 | 15 | 8 | 3 | 24 | 58 | 2 | 58 |
| 14 | 3 | 56 | 6 | ♉ 52 | 2 | 51 | 12 | 34 | 0 | ♋ 7 | 14 | 52 | 8 | 18 | 25 | 39 | 2 | 55 |
| 15 | 4 | 53 | 19 | 31 | 3 | 45 | 12 | 42 | 0 | 20 | 15 | 29 | 8 | 31 | 26 | 15 | 2 | 52 |
| 16 | 5 | 51 | 1 | ♌ 50 | 4 | 25 | 12 | 49 | 0 | 33 | 16 | 6 | 8 | 41 | 26 | 47 | 2 | 48 |
| 17 | 6 | 48 | 13 | 58 | 4 | 55 | 12 | 57 | 0 | 46 | 16 | 44 | 8 | 49 | 27 | 14 | 2 | 45 |
| 18 | 7 | 45 | 25 | 44 | 5 | 10 | 13 | 4 | 0 | 59 | 17 | 21 | 8 | 56 | 27 | 35 | 2 | 42 |
| 19 | 8 | 43 | 7 | ♍ 30 | 5 | 16 | 13 | 12 | 1 | 12 | 17 | 58 | 9 | 1 | 27 | 50 | 2 | 39 |
| ☉ | 9 | 40 | 19 | 18 | 5 | 4 | 13 | 19 | 1 | 25 | 18 | 35 | 9 | 4 | 28 | 0 | 2 | 36 |
| 21 | 10 | 37 | 1 | ♎ 12 | 4 | 34 | 13 | 26 | 1 | 38 | 19 | 12 | 9 Rx | 5 | 28 | 5 | 2 | 33 |
| 22 | 11 | 35 | 13 | 14 | 3 | 56 | 13 | 33 | 1 | 51 | 19 | 49 | 9 | 5 | 28 | 7 | 2 | 29 |
| 23 | 12 | 32 | 25 | 34 | 3 | 5 | 13 | 40 | 2 | 4 | 20 | 26 | 9 | 2 | 28 Rx | 7 | 2 | 26 |
| 24 | 13 | 29 | 8 | ♏ 9 | 2 | 5 | 13 | 47 | 2 | 18 | 21 | 3 | 8 | 56 | 28 | 5 | 2 | 22 |
| 25 | 14 | 27 | 21 | 8 | 0 | 59 | 13 | 54 | 2 | 31 | 21 | 40 | 8 | 47 | 27 | 57 | 2 | 19 |
| 26 | 15 | 25 | 4 | ♐ 29 | 0 S | 12 | 14 | 1 | 2 | 44 | 22 | 17 | 8 | 35 | 27 | 46 | 2 | 16 |
| ☉ | 16 | 22 | 18 | 8 | 1 | 23 | 14 | 8 | 2 | 57 | 22 | 54 | 8 | 21 | 27 | 31 | 2 | 13 |
| 28 | 17 | 19 | 2 | ♑ 3 | 2 | 31 | 14 | 15 | 3 | 10 | 23 | 32 | 8 | 4 | 27 | 12 | 2 | 9 |
| 29 | 18 | 16 | 16 | 9 | 3 | 32 | 14 | 22 | 3 | 24 | 24 | 9 | 7 | 45 | 26 | 48 | 2 | 6 |
| 30 | 19 | 13 | 0 | ♒ 29 | 4 | 21 | 14 | 25 | 3 | 37 | 24 | 46 | 7 | 23 | 26 | 18 | 2 | 3 |
| 31 | 20 | 10 | 14 | 42 | 4 | 55 | 14 | 36 | 3 | 50 | 25 | 23 | 6 | 57 | 25 | 45 | 2 | 0 |

## The Latitude of the Planets.

| ♄ | S | ♅ | S | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 90 | 4 | 1 | 21 | 3 | 48 | 2 | 21 | | 1 |
| 2 | 90 | 4 | 1 | 21 | 3 | 34 | 2 | 17 | | 6 |
| 2 | 90 | 3 | 1 | 20 | 3 | 13 | 1 | 52 | | 11 |
| 2 | 90 | 3 | 1 | 20 | 2 | 38 | 1 | 6 | | 16 |
| 2 | 100 | 2 | 1 | 20 | 2 | 20 | S | 2 | | 21 |
| 2 | 100 | 2 | 1 | 19 | 1 | 12 | 1 | 23 | | 26 |

## The Lunar Aſpects.

| Jul. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid. | ♂ Occid. | ♀ Occid. | ☿ Occid | Planets mutual Aſpects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | b | Ph.& Ja | | 7 △45 | | 0 ✱42 | | | * Rigel ♂☿, | 12 |
| 2 | c | Athan. | 3 △49 | | | | | | at 15 ho. 32′ | 13 |
| 3 | d | Inv.Cr. | | 12□ 8 | | | | 19△44 | | 14 |
| 4 | e | Chriſto. | 11□21 | | 17△ 8 | | | | | 15 |
| 5 | f | Gothar. | | 16✱ 1 | | 12△47 | 4 △ 0 | | | 16 |
| 6 | ℬ | 4p.Eaſt. | 17✱56 | | 20□56 | | | 3 ♑48 | * Sirius ♂♂, | 17 |
| 7 | a | Juvenal | | | | 17□36 | 9 □11 | | at 3 ho. 47′ | 18 |
| 8 | b | Stanſli. | | | | | | 10✱25 | | 19 |
| 9 | c | Ephin. | | 22♂17 | 0 ✱ 6 | 21✱42 | 13✱23 | | ✱♄♂ | 20 |
| 10 | d | Gordi. | | | | | | | | 21 |
| 11 | e | Mamret | 7 ♂54 | | | | | | ☉ eclipſed inviſible | 22 |
| 12 | f | Pancra. | | | | | | | | 23 |
| 13 | ℬ | Ro. Sun. | | | 11♂16 | | | 2 ♂ 0 | | 24 |
| 14 | a | Fortun. | | 10✱54 | | 15♂57 | 2 ♂48 | | * Sirius ♂☽, | 25 |
| 15 | b | Iſidore | | | | | | | at 6 ho. 00′ | 26 |
| 16 | c | Ubald. | 8 ✱36 | 22□ 0 | | | | | | 27 |
| 17 | d | Aſc. Day. | | | | | | | * Heart of Hydra | 28 |
| 18 | e | Venant. | | | 10✱55 | | | 3 ✱42 | ♂☽, at | 29 |
| 19 | f | Dunſtan | 2 □40 | 10△46 | | 22✱30 | 3 ✱ 6 | | 18 ho. 50′ | 30 |
| 20 | ℬ | 6p.Eaſt. | | | | | | 17□39 | | 31 |
| 21 | a | Helena | 20△23 | | 1 □32 | | 15□43 | | | Jun. |
| 22 | b | Hoſpit. | | | | 13□27 | | | * Arcturus | |
| 23 | c | Deſid. | | | 14△35 | | | 4 △52 | ♂☽, at | |
| 24 | d | Adelm. | | 10 8 26 | | | 1 △22 | | 13 ho. 21′ | |
| 25 | e | Auguſt. | | | | 1 △ 2 | | | * Proycon | 5 |
| 26 | f | Dioſco. | 20 8 37 | | | | | | ♂♂, at | 6 |
| 27 | ℬ | Wh. Sun. | | | | | | 15 8 51 | 3 ho 20′ | 7 |
| 28 | a | Germa. | | 20△53 | 1 8 57 | | 10 8 1 | | | 8 |
| 29 | b | K.C. Na. | | | | 14 8 1 | | | * Propus ♂☽, | 9 |
| 30 | c | Fælix | | 23□48 | | | | | at 0 ho. 48′ | 10 |
| 31 | d | Petron. | 10△ 5 | | | | | 18△11 | | 11 |

| | D. | ♄ | ♂ | ♃ | ♋ | ♂ | ♌ | ☉ | ♍ | ♀ | ♎ | ☿ | ♍ | Heliocentr. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 9 | 50 | 3 | 58 | 2 | 50 | 21 | 20 | 25 | 13 | 4 | 1 | 1✱♃☿. 3△♄☿ |
| | 6 | 10 | 0 | 4 | 23 | 5 | 4 | 26 | 14 | 3 | 14 | 25 | 27 | 7△♃☿. 7✱♂☿ |
| | 11 | 10 | 11 | 4 | 48 | 7 | 17 | 1 | 2 | 11 | 14 | 14 | 4 | 9□♃☿. 10 8 ♄☿. |
| | 16 | 10 | 22 | 5 | 13 | 9 | 30 | 5 | 50 | 19 | 14 | 0 | 13 | 13✱♂☿. 17△♃☿ |
| | 21 | 10 | 33 | 5 | 39 | 11 | 43 | 10 | 36 | 27 | 13 | 15 | 42 | 18□♄♂. 19 8 ♄☿. |
| | 26 | 10 | 44 | 6 | 4 | 13 | 56 | 15 | 24 | 5 | 10 | 29 | 54 | 19□♂☿. 22△♂☉ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☊ | ☽ | ♒ | Lat. | ☽ | ♄ | ♂ | ♃ | ♂ | ♃ | ♀ | ♃ | ☿ | ☊ | ☊ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 21 | 7 | 28 | 54 | 5 S | 3 | 14 | 43 | 4 | 3 | 26 | 1 | 6 | 29 | 25 | 9 | 1 | 57 |
| 2 | 22 | 4 | 13 | ♓ 5 | 5 | 6 | 14 | 50 | 4 | 17 | 26 | 38 | 6 | 1 | 24 | 33 | 1 | 53 |
| ☉ | 23 | 2 | 27 | 12 | 4 | 46 | 14 | 57 | 4 | 30 | 27 | 15 | 5 | 32 | 23 | 58 | 1 | 50 |
| 4 | 23 | 59 | 11 | ♈ 8 | 4 | 1 | 15 | 4 | 4 | 44 | 27 | 53 | 5 | 0 | 23 | 24 | 1 | 47 |
| 5 | 24 | 56 | 25 | 13 | 3 | 6 | 15 | 10 | 4 | 57 | 28 | 30 | 4 | 27 | 22 | 51 | 1 | 44 |
| 6 | 25 | 53 | 8 | ♉ 43 | 2 | 0 | 15 | 17 | 5 | 11 | 29 | 7 | 3 | 52 | 22 | 20 | 1 | 41 |
| 7 | 26 | 50 | 22 | 21 | 0 | 49 | 15 | 23 | 5 | 24 | 29 | 44 | 3 | 15 | 21 | 50 | 1 | 37 |
| 8 | 27 | 47 | 5 | ♊ 45 | 0 N | 22 | 15 | 30 | 5 | 38 | 0 | ♌ 22 | 2 | 36 | 21 | 21 | 1 | 34 |
| 9 | 28 | 44 | 18 | 58 | 1 | 30 | 15 | 36 | 5 | 51 | 0 | 59 | 1 | 55 | 20 | 54 | 1 | 31 |
| ☉ | 29 | 42 | 2 | ♋ 52 | 2 | 32 | 15 | 43 | 6 | 4 | 1 | 36 | 1 | 15 | 20 | 30 | 1 | 28 |
| 11 | 0 | ♋ 39 | 14 | 47 | 3 | 27 | 15 | 49 | 5 | 18 | 2 | 14 | 0 | 37 | 20 | 9 | 1 | 25 |
| 12 | 1 | 36 | 27 | 19 | 4 | 18 | 15 | 55 | 5 | 31 | 2 | 51 | 0 | 0 | 19 | 54 | 1 | 22 |
| 13 | 2 | 34 | 9 | ♌ 36 | 4 | 45 | 16 | 1 | 6 | 45 | 3 | 29 | 29 | ♊ 24 | 19 | 43 | 1 | 19 |
| 14 | 3 | 31 | 21 | 39 | 5 | 4 | 16 | 7 | 6 | 58 | 4 | 6 | 28 | 49 | 19 | 37 | 1 | 16 |
| 15 | 4 | 28 | 3 | ♍ 36 | 5 | 10 | 16 | 13 | 7 | 12 | 4 | 44 | 28 | 14 | 19 | 34 | 1 | 12 |
| 16 | 5 | 25 | 15 | 27 | 5 | 3 | 16 | 19 | 7 | 25 | 5 | 21 | 27 | 41 | 19D | 35 | 1 | 9 |
| ☉ | 6 | 22 | 27 | 17 | 4 | 40 | 16 | 25 | 7 | 39 | 5 | 59 | 27 | 9 | 19 | 41 | 1 | 6 |
| 18 | 7 | 19 | 9 | ♎ 11 | 4 | 9 | 16 | 31 | 7 | 52 | 6 | 36 | 26 | 37 | 19 | 52 | 1 | 3 |
| 19 | 8 | 17 | 21 | 17 | 3 | 19 | 16 | 36 | 8 | 6 | 7 | 14 | 26 | 4 | 20 | 8 | 1 | 0 |
| 20 | 9 | 14 | 3 | ♏ 38 | 2 | 22 | 16 | 42 | 8 | 19 | 7 | 51 | 25 | 31 | 20 | 29 | 0 | 57 |
| 21 | 10 | 11 | 16 | 19 | 1 | 17 | 16 | 47 | 8 | 33 | 8 | 29 | 24 | 58 | 20 | 55 | 0 | 54 |
| 22 | 11 | 8 | 29 | 24 | 0 | 7 | 16 | 57 | 8 | 46 | 9 | 7 | 24 | 28 | 21 | 26 | 0 | 50 |
| 23 | 12 | 6 | 12 | ♐ 54 | 1 S | 3 | 16 | 58 | 9 | 0 | 9 | 45 | 24 | 2 | 22 | 2 | 0 | 47 |
| ☉ | 13 | 3 | 26 | 38 | 2 | 13 | 17 | 4 | 9 | 13 | 10 | 22 | 23 | 41 | 22 | 43 | 0 | 44 |
| 25 | 14 | 0 | 10 | ♑ 51 | 3 | 13 | 17 | 9 | 9 | 27 | 11 | 0 | 23 | 24 | 23 | 29 | 0 | 41 |
| 26 | 14 | 57 | 25 | 17 | 4 | 8 | 17 | 15 | 9 | 40 | 11 | 37 | 23 | 40 | 24 | 19 | 0 | 38 |
| 27 | 15 | 54 | 10 | ♒ 9 | 4 | 48 | 17 | 20 | 9 | 54 | 12 | 15 | 22 | 55 | 25 | 14 | 0 | 35 |
| 28 | 16 | 51 | 24 | 49 | 5 | 6 | 17 | 26 | 10 | 7 | 12 | 52 | 22 | 42 | 26 | 14 | 0 | 32 |
| 29 | 17 | 48 | 9 | ♓ 23 | 5 | 6 | 17 | 31 | 10 | 21 | 13 | 30 | 22 | 31 | 27 | 19 | 0 | 29 |
| 30 | 18 | 46 | 23 | 45 | 4 | 47 | 17 | 36 | 10 | 34 | 14 | 7 | 22 | 22 | 28 | 28 | 0 | 25 |

## The Latitude of the Planets

| ♄ | S | ♃ | S | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 10 | 0 | 1 | 1 | 19 | 0 | 0 | 3 | 0 | 1 |
| 2 | 10 | 0 | 1 | 1 | 18 | 1 | 1 | 24 | 2 | 6 |
| 2 | 11 | 0 | 0 | 1 | 17 | 2 | 2 | 24 | 29 | 11 |
| 2 | 11 | 0 N | 0 | 1 | 16 | 3 | 2 | 64 | 24 | 16 |
| 2 | 12 | 0 | 1 | 1 | 15 | 4 | 1 | 73 | 48 | 21 |
| 2 | 13 | 0 | 1 | 1 | 13 | 4 | 5 | 42 | 54 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid. | ♂ Occid. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | e | Nicom. | | | 8 △50 | | 12△28 | | * Fomahant ☌ ☽ | 12 |
| 2 | f | Eraſm. | 18□10 | 2 ✶52 | | | | 18□42 | at 1 ho. 15′ | 13 |
| 3 | ℊ | *Tri. Sun* | | | 12□47 | 0 △ 6 | 13□49 | | ☌ ☉ ☿ | 14 |
| 4 | a | Petroc. | 23✶48 | | | | | 20✶27 | ☌ ♀ ☿ | 15 |
| 5 | b | Bonif. | | | 17✶40 | 6 □24 | 15✶50 | *Orien.* | * Schedir ☌ ☽, at | 16 |
| 6 | c | Claudi. | | 11☌35 | | | | | 15 ho. 17′ | 17 |
| 7 | d | Wolſt. | | | | 13✶53 | | | | 18 |
| 8 | e | Medar. | | | | | | | | 19 |
| 9 | f | Edmo. | 19☌15 | | | | 22☌30 | 3 ☌26 | * Middle * of | 20 |
| 10 | ℊ | *1 p. Tri.* | | | 7 ☌42 | | | | Orions Belt | 21 |
| 11 | a | *S. Barn.* | | 2 ✶ 0 | | | | | ☌ ☽, at 0 ho. 40′ | 22 |
| 12 | b | Antho. | | | | 11☌23 | *Orien.* | | ☌ ☉ ♀. | 23 |
| 13 | c | Cyrillus | | 12□54 | | | | 19✶57 | 12 day Precepe | 24 |
| 14 | d | Baſil. E. | | | | | 13✶43 | | ☌ ☌, at | 25 |
| 15 | e | Vitus | 1 ✶55 | | 6 ✶25 | | | | 13 ho. 54′ | 26 |
| 16 | f | Richard | | 1 △47 | | | 23□44 | 8 □27 | | 27 |
| 17 | ℊ | *2 p. Tri.* | 19□53 | | 21□38 | 18✶30 | | | | 28 |
| 18 | a | Marcus | | | | | | 21△40 | | 29 |
| 19 | b | Gervaſe | | | | | 8 △52 | | ☌ ♃ ☉ | 30 |
| 20 | c | Tr. Ed. | 11△24 | | 9 △ 0 | 8 □23 | | | | 1 |
| 21 | d | Walb. | | 0 8 54 | *Orien.* | | | | | *July* |
| 22 | c | Alban | | | | 18△ 7 | | | * Scorpions heart | |
| 23 | f | Baſilius | | | | | 19 8 0 | 16 8 49 | ☌ ☽, at 11 ho. 10′ | |
| 24 | ℊ | *S. J. Ba.* | | | 21 8 35 | | | | | |
| 25 | a | Elegius | 5 8 34 | 10△33 | | | | | ☌ ♀ ☿ | 6 |
| 26 | b | Jo. & Pa. | | | | | | | 28 day Propus | 7 |
| 27 | c | 7 Sleep. | | 11□52 | | 3 8 36 | 20△25 | | ☌ ♀, at 12 h. 55′ | 8 |
| 28 | d | Leo | | | | | | 2 △30 | | 9 |
| 29 | e | *S. P. & Pa.* | 15△ 3 | 13✶42 | 1 △38 | | 21□45 | | ✶ ♄ ☉ | 10 |
| 30 | f | Co. Pau. | | | | | | 3 □36 | | 11 |

| | D | ♄ | ☌ | ♃ | ♋ | ♂ | ♌ | ☉ | ♐ | ♀ | ♐ | ☿ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 10 | 57 | 6 | 34 | 16 | 34 | 21 | 7 | 14 | 43 | 16 | ♐22 | 1△☌♀. 3△☌♀ |
| | 6 | 11 | 8 | 5 | 59 | 18 | 46 | 25 | 53 | 22 | 40 | 0 | ♍11 | 8 8 ♃♀. 9△♄♀ |
| | 11 | 11 | 19 | 7 | 24 | 20 | 58 | 0 | ♍39 | 0 | ♍36 | 14 | 35 | 11☌☉♀. 17□♃♀ |
| | 16 | 11 | 30 | 7 | 49 | 23 | 10 | 5 | 25 | 8 | 31 | 0 | ♒ 2 | 18△♄♀. 18□♃☉ |
| | 21 | 11 | 41 | 8 | 14 | 25 | 21 | 10 | 11 | 16 | 26 | 17 | 5 | 19□♄♀. 23△♄☉ |
| | 26 | 11 | 52 | 8 | 39 | 27 | 33 | 14 | 57 | 24 | 21 | 6 | ♓24 | 23 8 ☌♀. 28□♃♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ ° ′ | ☌ ° ′ | ☽ ° ′ | ☽ ☋ Lat. | ☽ ° ′ | ♄ ° ′ | ♅ ° ′ | ♃ ° ′ | ♂ ° ′ | ♌ ° ′ | ♀ ° ′ | ☿ ° ′ | ☿ ° ′ | ☊ ° ′ | ☊ ° ′ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19 43 | 7 56 | 4 S | 7 | 17 41 | 10 48 | 14 45 | 22 16 | 29 43 | 0 22 |
| 2 | 20 40 | 21 55 | 3 | 16 | 17 46 | 11 1 | 15 23 | 28 13 | 1♋ 2 | 0 19 |
| 3 | 21 37 | 5 ♉ 30 | 2 | 11 | 17 51 | 11 15 | 16 0 | 22D 10 | 2 25 | 0 15 |
| 4 | 22 35 | 18 53 | 1 | 1 | 17 55 | 11 28 | 16 38 | 22 13 | 3 52 | 0 12 |
| 5 | 23 32 | 2 ♊ 12 | 0 N | 10 | 17 59 | 11 42 | 17 15 | 22 19 | 5 22 | 0 9 |
| 6 | 24 29 | 15 17 | 1 | 20 | 18 3 | 11 55 | 17 53 | 22 26 | 6 56 | 0 5 |
| 7 | 25 26 | 28 12 | 2 | 23 | 18 8 | 12 9 | 18 30 | 22 35 | 8 33 | 0 2 |
| ☉ | 26 24 | 10♋ 54 | 3 | 18 | 18 12 | 12 22 | 19 8 | 22 46 | 10 14 | 29♉ 59 |
| 9 | 27 21 | 23 25 | 4 | 2 | 18 17 | 12 36 | 19 45 | 22 59 | 11 59 | 29 56 |
| 10 | 28 18 | 5 ♌ 48 | 4 | 36 | 18 21 | 12 49 | 20 23 | 23 14 | 13 48 | 29 53 |
| 11 | 29 15 | 17 58 | 4 | 57 | 18 26 | 13 2 | 21 1 | 23 30 | 15 40 | 29 50 |
| 12 | 0♌ 13 | 0 ♍ 1 | 5 | 5 | 18 30 | 13 16 | 21 39 | 23 49 | 17 35 | 29 47 |
| 13 | 1 10 | 11 54 | 5 | 1 | 18 34 | 13 29 | 22 16 | 24 11 | 19 33 | 29 44 |
| 14 | 2 7 | 23 50 | 4 | 43 | 18 38 | 13 42 | 22 54 | 24 33 | 21 34 | 29 41 |
| ☉ | 3 5 | 5 ♎ 39 | 4 | 11 | 18 42 | 13 55 | 23 31 | 24 57 | 23 37 | 29 37 |
| 16 | 4 2 | 17 31 | 3 | 30 | 18 46 | 14 8 | 24 9 | 25 21 | 25 43 | 29 34 |
| 17 | 4 59 | 29 28 | 2 | 38 | 18 50 | 14 21 | 24 46 | 25 47 | 27 50 | 29 31 |
| 18 | 5 57 | 11 ♏ 50 | 1 | 36 | 18 53 | 14 34 | 25 24 | 26 15 | 29 56 | 29 28 |
| 19 | 6 54 | 24 28 | 0 | 27 | 18 57 | 14 47 | 26 2 | 26 45 | 2♌ 1 | 29 25 |
| 20 | 7 51 | 7 ♐ 29 | 0 S | 43 | 19 0 | 15 0 | 26 40 | 27 17 | 4 5 | 29 22 |
| 21 | 8 48 | 20 54 | 1 | 50 | 19 4 | 15 13 | 27 18 | 27 51 | 6 8 | 29 15 |
| ☉ | 9 46 | 4 ♑ 47 | 2 | 55 | 19 7 | 15 26 | 27 56 | 28 25 | 8 11 | 29 15 |
| 23 | 10 43 | 19 1 | 3 | 52 | 19 11 | 15 39 | 28 34 | 29 0 | 10 13 | 29 12 |
| 24 | 11 41 | 3 ♒ 44 | 4 | 32 | 19 14 | 15 51 | 29 12 | 29 37 | 12 16 | 29 9 |
| 25 | 12 38 | 18 36 | 4 | 56 | 19 17 | 16 4 | 29 50 | 0♎ 15 | 14 19 | 29 6 |
| 26 | 13 35 | 3 ♓ 42 | 5 | 3 | 19 20 | 16 17 | 0♍ 28 | 0 54 | 16 22 | 29 2 |
| 27 | 14 33 | 18 41 | 4 | 48 | 19 23 | 16 30 | 1 6 | 0 34 | 18 23 | 28 55 |
| 28 | 15 30 | 3 ♈ 29 | 4 | 14 | 19 26 | 16 42 | 1 44 | 1 15 | 20 22 | 28 56 |
| ☉ | 16 28 | 17 55 | 3 | 24 | 19 28 | 16 55 | 2 22 | 1 58 | 22 19 | 28 53 |
| 30 | 17 26 | 2 ♉ 6 | 2 | 22 | 19 30 | 17 8 | 3 0 | 2 42 | 24 14 | 28 49 |
| 31 | 18 24 | 15 52 | 1 | 11 | 19 32 | 17 21 | 3 38 | 3 27 | 26 7 | 28 46 |

### The Latitude of the Planets.

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 14 | 0 | 2 | 1 | 12 | 5 | 25 | 1 | 50 | 1 |
| 2 | 15 | 0 | 2 | 1 | 10 | 5 | 29 | 0 | 43 | 6 |
| 2 | 16 | 0 | 3 | 1 | 9 | 5 | 28 | 0 | N 18 | 11 |
| 2 | 17 | 0 | 3 | 1 | 8 | 5 | 21 | 1 | 7 | 16 |
| 2 | 18 | 0 | 4 | 1 | 6 | 5 | 8 | 1 | 35 | 21 |
| 2 | 19 | 0 | 4 | 1 | 5 | 4 | 48 | 1 | 45 | 26 |

## The Lunar Aſpects.

| Jul. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets Mutual Aſpects. | Aug. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♉ | 4 p. Tr. | 21 □ 40 | | 3 □ 13 | 12 △ 12 | | | * Head Andromed. | 12 |
| 2 | a | Viſ. Ma. | | | | | 0 ✶ 30 | 17 ✶ 56 | ☌ ☽, at | 13 |
| 3 | b | Cornel. | | 22 ☌ 20 | 10 ✶ 22 | 19 □ 45 | | | 3 ho. 56′ | 14 |
| 4 | c | Ulricus | 7 ✶ 10 | | | | | | | 15 |
| 5 | d | Anſelm. | | | | | | | | 16 |
| 6 | e | Tranqu. | | | | 5 ✶ 4 | 13 ☌ 16 | | □ ♄ ☌ | 17 |
| 7 | f | Martial | | | | | | 22 ☌ 50 | | 18 |
| 8 | ♉ | 5 p. Tri. | | 13 ✶ 55 | 2 ☌ 52 | | | | | 19 |
| 9 | a | Cyr. Ep. | 8 ☌ 14 | | | | | | ☌ ♃ ♀ | 20 |
| 10 | b | 7 Frat. | | | | | | | | 21 |
| 11 | c | Bened. | | 0 □ 56 | | 6 ☌ 24 | 11 ✶ 19 | | | 22 |
| 12 | d | Nab. &c. | | | | | | | ✶ ♄ ☿ | 23 |
| 13 | e | Anaclet. | | 13 △ 20 | 3 ✶ 15 | | | 17 ✶ 32 | | 24 |
| 14 | f | Bonav. | 18 ✶ 17 | | | | 1 □ 27 | | * Heart of Hydra | 25 |
| 15 | ♉ | 6 p. Tri. | | | 17 □ 0 | | | | ☌ ☌, at | 26 |
| 16 | a | Kenele. | | | | 13 ✶ 58 | 16 △ 22 | 19 □ 58 | 11 ho. 40′ | 27 |
| 17 | b | Alexius | 11 □ 35 | | | | | | | 28 |
| 18 | c | Arnolp. | | 13 8 21 | 5 △ 14 | | | | | 29 |
| 19 | d | Ruffin. | | | | 3 □ 2 | | 17 △ 28 | * Propus ☌ ♀, at | 30 |
| 20 | e | Margar. | 0 △ 42 | | | | | | 3 ho. 00′ | 31 |
| 21 | f | Prax. | | | | 12 △ 0 | 12 8 30 | | | |
| 22 | ♉ | 7 p. Tri. | | | 18 8 11 | | | | | |
| 23 | a | Apoll. | | 0 △ 20 | | | | | ☌ ☉ ☿ | |
| 24 | b | Chriſti. | 13 8 42 | | | | | 15 8 56 | | |
| 25 | c | S. James | | 1 □ 6 | | 18 8 38 | 19 △ 22 | Occid | | 5 |
| 26 | d | Anna | | | 20 △ 28 | | | | □ ☌ ♀ | 6 |
| 27 | e | Marth. | | 1 ✶ 8 | | | 20 □ 8 | | □ ♄ ☿ | 7 |
| 28 | f | Panth. | 21 △ 23 | | 22 □ 17 | | | | | 8 |
| 29 | ♉ | 8 p. Tri. | | | | | | 8 △ 43 | * Heart of Hydra | 9 |
| 30 | a | Abdon | | | | 1 △ 38 | 1 ✶ 6 | | ☌ ♀, at | 10 |
| 31 | b | Germ. | 4 □ 44 | 6 ☌ 7 | 2 ✶ 36 | | | 21 □ 40 | 23 ho. 10′ | 11 |

| | D | ☊ | ☋ | ♃ | ♋ | ♂ | ♌ | ☉ | ♍ | ☿ | ♎ | ♀ | ♓ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 12 | 3 | 9 | 5 | 29 | 44 | 19 | 43 | 2 | 16 | 28 | ♓ 51 | 4 □ ♃ ♀. 8 ✶ ♃ ♀ |
| | 6 | 12 | 14 | 9 | 30 | 1 | ♍ 55 | 24 | 29 | 10 | 11 | 25 | ♈ 3 | 8 □ ♄ ♀. 9 ☌ ♄ ♀ |
| | 11 | 12 | 25 | 9 | 55 | 4 | 6 | 29 | 15 | 18 | 6 | 24 | ♉ 50 | 19 ✶ ♄ ♀ 21 8 ☌ ☉ |
| | 16 | 12 | 36 | 10 | 20 | 6 | 17 | 4 | ♎ 2 | 26 | 2 | 27 | ♊ 14 | 23 ☌ ♃ ♀. 25 △ ♃ ♀ |
| | 21 | 12 | 47 | 10 | 45 | 8 | 27 | 8 | 48 | 3 | ♎ 58 | 27 | ♋ 39 | 25 □ ♄ ☉. 27 ✶ ♄ ♀ |
| | 26 | 12 | 58 | 11 | 10 | 10 | 37 | 13 | 35 | 11 | 53 | 24 | ♌ 33 | 28 ✶ ♃ ☌. 31 △ ♄ ☌ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☊ | ☽ | ☌ | Lat. | ☽ | ♄ | ☌ | ♃ | ☌ | ♂ | ♍ | ♀ | ♋ | ☿ | ☊ | ☿ | ☌ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 22 | 29 | 18 | 0 N | 2 | 19 | 34 | 17 | 33 | 4 | 16 | 5 | 12 | 27 | 55 | 28 | 43 |
| 2 | 20 | 19 | 12 ♊ | 22 | 1 | 13 | 19 | 36 | 17 | 45 | 4 | 54 | 5 | 59 | 29 | 50 | 28 | 40 |
| 3 | 21 | 17 | 25 | 12 | 2 | 19 | 19 | 38 | 17 | 58 | 5 | 32 | 6 | 47 | 1 ♍ | 45 | 28 | 37 |
| 4 | 22 | 15 | 7 ♋ | 47 | 3 | 15 | 19 | 39 | 18 | 10 | 6 | 10 | 7 | 35 | 3 | 29 | 28 | 34 |
| ☉ | 23 | 13 | 20 | 8 | 4 | 0 | 19 | 41 | 18 | 22 | 6 | 49 | 8 | 24 | 5 | 16 | 28 | 30 |
| 6 | 24 | 11 | 2 ☊ | 22 | 4 | 33 | 19 | 43 | 18 | 34 | 7 | 27 | 9 | 14 | 7 | 2 | 28 | 27 |
| 7 | 25 | 9 | 14 | 34 | 4 | 53 | 19 | 44 | 18 | 46 | 8 | 5 | 10 | 5 | 8 | 48 | 28 | 24 |
| 8 | 26 | 6 | 26 | 34 | 5 | 0 | 19 | 46 | 18 | 58 | 8 | 43 | 10 | 56 | 10 | 33 | 28 | 21 |
| 9 | 27 | 4 | 8 ♍ | 31 | 4 | 57 | 19 | 48 | 19 | 10 | 9 | 22 | 11 | 47 | 12 | 16 | 28 | 18 |
| 10 | 28 | 2 | 20 | 24 | 4 | 41 | 19 | 49 | 19 | 22 | 10 | 0 | 12 | 38 | 13 | 56 | 28 | 15 |
| 11 | 29 | 0 | 2 ♎ | 14 | 4 | 13 | 19 | 50 | 19 | 34 | 10 | 38 | 13 | 29 | 15 | 33 | 28 | 12 |
| ☉ | 29 | 58 | 14 | 6 | 3 | 34 | 19 | 51 | 19 | 45 | 11 | 16 | 14 | 22 | 17 | 9 | 28 | 8 |
| 13 | 0 ♍ | 56 | 26 | 2 | 2 | 42 | 19 | 52 | 19 | 57 | 11 | 55 | 15 | 16 | 18 | 45 | 28 | 5 |
| 14 | 1 | 53 | 8 ♏ | 8 | 1 | 46 | 19 | 53 | 20 | 8 | 12 | 33 | 16 | 10 | 20 | 21 | 28 | 2 |
| 15 | 2 | 51 | 20 | 25 | 0 | 40 | 19 | 53 | 20 | 20 | 13 | 11 | 17 | 5 | 21 | 57 | 27 | 59 |
| 16 | 3 | 49 | 2 ♐ | 56 | 0 S | 27 | 19 | 54 | 20 | 31 | 13 | 49 | 18 | 1 | 23 | 32 | 27 | 56 |
| 17 | 4 | 47 | 15 | 50 | 1 | 37 | 19 | 54 | 20 | 42 | 14 | 28 | 18 | 57 | 25 | 5 | 27 | 52 |
| 18 | 5 | 45 | 29 | 2♑ | 2 | 42 | 19 | 54 | 20 | 53 | 15 | 6 | 19 | 54 | 26 | 37 | 27 | 49 |
| ☉ | 6 | 44 | 12 ♒ | 50 | 3 | 39 | 19 | 55 | 21 | 4 | 15 | 44 | 20 | 52 | 28 | 6 | 27 | 46 |
| 20 | 7 | 42 | 27 | 9 | 4 | 25 | 19 ℞ | 55 | 21 | 15 | 16 | 22 | 21 | 50 | 29 | 34 | 27 | 43 |
| 21 | 8 | 40 | 11 ♓ | 50 | 4 | 53 | 19 | 55 | 21 | 26 | 17 | 1 | 22 | 49 | 1 ♎ | 0 | 27 | 39 |
| 22 | 9 | 38 | 26 | 50 | 5 | 3 | 19 | 55 | 21 | 37 | 17 | 39 | 23 | 48 | 2 | 25 | 27 | 36 |
| 23 | 10 | 36 | 12 ♈ | 0 | 4 | 50 | 19 | 54 | 21 | 48 | 18 | 18 | 24 | 47 | 3 | 48 | 27 | 33 |
| 24 | 11 | 34 | 27 | 13 | 4 | 22 | 19 | 54 | 21 | 58 | 18 | 56 | 25 | 47 | 5 | 12 | 27 | 30 |
| 25 | 12 | 33 | 12 ♉ | 17 | 3 | 36 | 19 | 54 | 22 | 9 | 19 | 35 | 26 | 47 | 6 | 34 | 27 | 27 |
| ☉ | 13 | 31 | 27 | 15 | 2 | 34 | 19 | 53 | 22 | 20 | 20 | 13 | 27 | 47 | 7 | 55 | 27 | 24 |
| 27 | 14 | 29 | 11 ♊ | 29 | 1 | 26 | 19 | 53 | 22 | 31 | 20 | 52 | 28 | 47 | 9 | 14 | 27 | 21 |
| 28 | 15 | 28 | 25 | 25 | 0 | 11 | 19 | 52 | 22 | 42 | 21 | 30 | 29 | 48 | 10 | 31 | 27 | 18 |
| 29 | 16 | 26 | 8 ♋ | 56 | 1 N | 3 | 19 | 51 | 22 | 52 | 22 | 9 | 0 ☊ | 49 | 11 | 46 | 27 | 14 |
| 30 | 17 | 25 | 22 | 32 | 2 | 12 | 19 | 50 | 23 | 3 | 22 | 47 | 1 | 50 | 12 | 59 | 27 | 11 |
| 31 | 18 | 24 | 4 ♌ | 49 | 3 | 10 | 19 | 49 | 23 | 14 | 23 | 26 | 2 | 51 | 14 | 10 | 27 | 8 |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 21 | 0 | 5 | 1 | 4 | 4 | 24 | 1 | 34 | 1 |
| 2 | 22 | 0 | 5 | 1 | 2 | 3 | 59 | 1 | 13 | 6 |
| 2 | 23 | 0 | 6 | 1 | 1 | 3 | 35 | 0 | 42 | 11 |
| 2 | 25 | 0 | 7 | 0 | 5 | 9 | 3 | 8 | 0 | 6 | 16 |
| 2 | 26 | 0 | 8 | 0 | 5 | 8 | 2 | 41 | 0 S | 34 | 21 |
| 2 | 27 | 0 | 8 | 0 | 5 | 6 | 2 | 14 | 1 | 21 | 26 |

## The Lunar Aſpects.

| Jul. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | R. ac |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Lamm. | | | | 9 □35 | | | □♄☉ | 12 |
| 2 | g | Steven | 18✶ 7 | | | | | | 1 day Aldebaran | 13 |
| 3 | a | Inv. St. | | | | 20✶43 | 23☌36 | 14□26 | ☌☽, at | 14 |
| 4 | b | Domin | | 23✶ 6 | 20☌33 | | | | 11 ho. 40′ | 15 |
| 5 | c | ♋ 9 p. Tri. | | | | | | | | 16 |
| 6 | d | Sixt. E. | | | | | | | ☌☌♀ | 17 |
| 7 | e | Tr. Chr. | 22☌57 | 10□22 | | | | | | 18 |
| 8 | f | Cyriac. | | | | | | | ✶♀☿ | 19 |
| 9 | g | Roman. | | 22△49 | 21✶52 | 1 ☌44 | 7 ✶ 6 | 8 ☌47 | * Pollux ☌♃, | 20 |
| 10 | a | Laurent. | | | | | | | at Noon | 21 |
| 11 | b | Tiburt. | | | | | | | | 22 |
| 12 | c | ♋ 10 p. Tr. | | | 11□32 | | o □34 | | ✶♄♃ | 23 |
| 13 | d | Hippol. | 8 ✶23 | | | | | | △♄☿. ✶♃♀ | 24 |
| 14 | e | Euſeb. | | 23 8 o | 23△50 | 9 ✶ 7 | 16△57 | | * N. Ballance | 25 |
| 15 | f | Aſſ. Ma | | | | | | 3 ✶23 | ☌☽, at | 26 |
| 16 | g | Rochus | 1 □45 | | | 21□17 | | | 13 ho. 56′ | 27 |
| 17 | a | Mamm | | | | | | 18□52 | | 28 |
| 18 | b | Helena | 12△31 | | | | | | ✶♃♀ | 29 |
| 19 | c | ♋ 11 p. Tr. | | 11△50 | 13 8 55 | 4 △52 | 14 8 20 | | | 30 |
| 20 | d | Bernar. | | | | | | 4 △22 | ☌♃♀ | 31 |
| 21 | e | Privat. | | 13□14 | | | | | | Sept. |
| 22 | f | Symph. | 21 8 23 | | | | | | * Proycon | |
| 23 | g | Zacha. | | 12✶24 | 15△32 | 10 8 21 | 21△28 | | ☌♃, at | |
| 24 | a | S. Bart. | | | | | | 14 8 1 | 17 ho. 28′ | |
| 25 | b | Ludov. | | | 15□56 | | | | △♄☌ | 5 |
| 26 | c | ♋ 12 p. Tr. | | | | | o □58 | | * Schedir ☌☽, at | 6 |
| 27 | d | Ruffus | 5 △33 | 14☌ 8 | 19✶15 | 17△16 | | | 10 ho. 58′ | 7 |
| 28 | e | Auguſt. | | | | | 8 ✶25 | | | 8 |
| 29 | f | De. J. B. | 14□50 | | | | | 5 △43 | | 9 |
| 30 | g | Fœlix | | | | 1 □28 | | | ✶♃☌ | 10 |
| 31 | a | Paulin. | | | | | | 20□ o | | 11 |

| | ☽ | ♄ | ☌ | ♃ | ♋ | ♂ | ♍ | ☉ | ♒ | ☿ | ♐ | ♀ | ♍ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 13 | 11 | 51 | 4 | 13 | 17 | 19 | 22 | 21 | 26 | 21 | ♍34 | 1△♄☌. 1 8 ☿ ♀ |
| | 6 | 13 | 22 | 12 | 5 | 15 | 29 | 24 | 11 | 29 | 23 | 10 | ♒39 | 3□☌♀. 7□♃♀ |
| | 11 | 13 | 33 | 12 | 30 | 17 | 41 | 29 | 6 | 7 | ♈21 | 27 | 33 | 12△☉♀. 14□♃♀ |
| | 16 | 13 | 44 | 12 | 55 | 19 | 53 | 3 | ♐49 | 15 | 20 | 12 | ♏52 | 16△♃♀. 17 8 ♄♀ |
| | 21 | 13 | 54 | 13 | 19 | 22 | 6 | 8 | 40 | 23 | 21 | 27 | 12 | 19✶☌♀. 26△♃☉ |
| | 26 | 14 | 5 | 14 | 44 | 24 | 19 | 13 | 31 | 1 | ♑22 | 10 | ♐54 | 27✶♄☽ |

SE

## The Diurnal Motion of the Planets.

| ☉ | ☽ | ♍ | ☽ | ♋ | Lat. | ☽ | ♄ | ♅ | ♃ | ♂ | ♍ | ♀ | ♌ | ☿ | ♎ | ☊ | ♅ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | | ° | ° | | ° | | ° | | ° | | ° | | ° | | |
| | | ' | | ' | ' | | ' | | ' | | ' | | ' | | ' | | |
| 1 | 19 | 22 | 17 | 15 | 3 N | 58 | 19 | 48 | 23 | 25 | 24 | 5 | 3 | 52 | 15 | 20 | 27 | 5 |
| ☉ | 20 | 21 | 29 | 30 | 4 | 34 | 19 | 46 | 23 | 35 | 24 | 44 | 4 | 54 | 16 | 28 | 27 | 2 |
| 3 | 21 | 20 | 11 | ♌ 32 | 4 | 58 | 19 | 45 | 23 | 45 | 25 | 23 | 5 | 56 | 17 | 34 | 27 | 59 |
| 4 | 22 | 18 | 23 | 32 | 5 | 4 | 19 | 43 | 23 | 55 | 26 | 2 | 7 | 5 | 18 | 37 | 27 | 55 |
| 5 | 23 | 17 | 5 | ♍ 25 | 5 | 1 | 19 | 42 | 24 | 4 | 26 | 41 | 8 | 2 | 19 | 38 | 27 | 52 |
| 6 | 24 | 15 | 17 | 9 | 4 | 43 | 19 | 40 | 24 | 14 | 27 | 20 | 9 | 5 | 20 | 36 | 27 | 49 |
| 7 | 25 | 14 | 29 | 11 | 4 | 13 | 19 | 39 | 24 | 23 | 27 | 59 | 10 | 9 | 21 | 32 | 27 | 46 |
| 8 | 26 | 13 | 11 | ♎ 53 | 3 | 37 | 19 | 37 | 24 | 33 | 28 | 38 | 11 | 13 | 22 | 25 | 27 | 43 |
| ☉ | 27 | 12 | 23 | 32 | 2 | 50 | 19 | 36 | 24 | 42 | 29 | 17 | 12 | 17 | 23 | 14 | 27 | 40 |
| 10 | 28 | 11 | 5 | ♏ 6 | 1 | 52 | 19 | 34 | 24 | 51 | 29 | 57 | 13 | 21 | 24 | 0 | 27 | 37 |
| 11 | 29 | 9 | 17 | 20 | 0 | 49 | 19 | 33 | 25 | 0 | 0 | ♎ 36 | 14 | 25 | 24 | 43 | 27 | 33 |
| 12 | 0 | ♎ 8 | 29 | 42 | 0 S | 18 | 19 | 31 | 25 | 9 | 1 | 15 | 15 | 30 | 25 | 22 | 27 | 30 |
| 13 | 1 | 7 | 12 | ♐ 14 | 1 | 28 | 19 | 29 | 25 | 18 | 1 | 55 | 16 | 36 | 25 | 57 | 27 | 27 |
| 14 | 2 | 6 | 25 | 10 | 2 | 32 | 19 | 27 | 25 | 26 | 2 | 34 | 17 | 42 | 26 | 26 | 27 | 24 |
| 15 | 3 | 5 | 8 | ♑ 39 | 3 | 32 | 19 | 24 | 25 | 35 | 3 | 13 | 18 | 48 | 26 | 49 | 27 | 20 |
| ☉ | 4 | 4 | 22 | 19 | 4 | 20 | 19 | 21 | 25 | 43 | 3 | 53 | 19 | 55 | 27 | 7 | 27 | 17 |
| 17 | 5 | 3 | 6 | ♒ 7 | 4 | 51 | 19 | 18 | 25 | 52 | 4 | 32 | 21 | 2 | 27 | 21 | 27 | 14 |
| 18 | 6 | 2 | 20 | 38 | 5 | 6 | 19 | 15 | 26 | 0 | 5 | 11 | 22 | 9 | 27 | 25 | 27 | 11 |
| 19 | 7 | 2 | 5 | ♓ 29 | 5 | 1 | 19 | 11 | 26 | 8 | 5 | 51 | 23 | 16 | 27 | 30 | 27 | 7 |
| 20 | 8 | 1 | 20 | 34 | 4 | 40 | 19 | 8 | 26 | 16 | 6 | 30 | 24 | 24 | 27 | ♑ 26 | 27 | 4 |
| 21 | 9 | 0 | 5 | ♈ 46 | 3 | 50 | 19 | 4 | 26 | 24 | 7 | 10 | 25 | 31 | 27 | 12 | 26 | 1 |
| 22 | 9 | 59 | 20 | 53 | 2 | 53 | 19 | 1 | 26 | 31 | 7 | 49 | 26 | 39 | 26 | 52 | 25 | 58 |
| ☉ | 10 | 58 | 5 | ♉ 47 | 1 | 45 | 18 | 57 | 26 | 38 | 8 | 29 | 27 | 47 | 26 | 23 | 25 | 55 |
| 24 | 11 | 58 | 20 | 17 | 0 | 30 | 18 | 54 | 26 | 45 | 9 | 8 | 28 | 56 | 25 | 46 | 25 | 52 |
| 25 | 12 | 57 | 4 | ♊ 20 | 0 N | 45 | 18 | 50 | 26 | 52 | 9 | 48 | 0 | ♍ 4 | 25 | 1 | 26 | 49 |
| 26 | 13 | 56 | 17 | 58 | 1 | 57 | 18 | 47 | 27 | 0 | 10 | 27 | 1 | 13 | 24 | 5 | 26 | 45 |
| 27 | 14 | 56 | 1 | ♋ 6 | 3 | 0 | 18 | 43 | 27 | 7 | 11 | 7 | 2 | 22 | 23 | 6 | 26 | 42 |
| 28 | 15 | 55 | 13 | 51 | 3 | 54 | 18 | 40 | 27 | 14 | 11 | 46 | 3 | 31 | 22 | 0 | 26 | 39 |
| 29 | 16 | 55 | 26 | 15 | 4 | 35 | 18 | 36 | 27 | 21 | 12 | 25 | 4 | 40 | 20 | 50 | 26 | 36 |
| ☉ | 17 | 54 | 8 | ♌ 24 | 4 | 58 | 18 | 33 | 27 | 28 | 13 | 5 | 5 | 49 | 19 | 39 | 26 | 33 |

### The Latitude of the Planets.

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 28 | 0 | 9 | 0 | 54 | 1 | 42 | 2 | 3 | 1 |
| 2 | 29 | 0 | 10 | 0 | 52 | 1 | 16 | 2 | 42 | 6 |
| 2 | 30 | 0 | 10 | 0 | 50 | 0 | 50 | 3 | 12 | 11 |
| 2 | 31 | 0 | 11 | 0 | 48 | 0 | 25 | 3 | 32 | 16 |
| 2 | 31 | 0 | 12 | 0 | 46 | 0 | 4 | 3 | 28 | 21 |
| 2 | 32 | 0 | 13 | 0 | 44 | 0 | N 10 | 2 | 48 | 26 |

## The Lunar Aſpects.

| N.A. | W.D. | Saints Days | ☉ | ♄ Orien. | ♅ Orien. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Ægid. | 4 ✶28 | 5 ✶ 0 | 12☌16 | 14✶ 9 | | | ☌ Procyon | 12 |
| 2 | G | 13.p Tr. | | | | | 11☌48 | | ☌ ☽, at | 13 |
| 3 | a | Theod. | | 16□23 | | | | 12✶ 6 | 8 ho. 50′ | 14 |
| 4 | b | Tr. Cut. | | | | | | | | 15 |
| 5 | c | Moſes | | | | | | | | 16 |
| 6 | d | Magnus | 15☌26 | 5 △ 8 | 14✶19 | 21☌30 | | | ✶ ♅ ☉ | 17 |
| 7 | e | Regina | | | | | | | 5 day Arcturus | 18 |
| 8 | f | Na.V.M | | | | | 0 ✶16 | | ☌ ♀, at 11 ho. 35′ | 19 |
| 9 | G | 14 p.Tr. | | | 3 □18 | | | 0 ☌22 | | 20 |
| 10 | a | Hilary | | | | | 17□44 | | | 21 |
| 11 | b | Fælix | | 4 8 18 | 15△ 6 | | | | □ ♅ ☿ | 22 |
| 12 | c | Guido | 0 ✶48 | | | 3 ✶ 8 | | | | 23 |
| 13 | d | Amatus | | | | | 8 △51 | | | 24 |
| 14 | e | E. Cru. | 13□16 | | | 13□51 | | 2 ✶20 | | 25 |
| 15 | f | Nicode. | | 18△49 | | | | | □ ♄ ♀. ☌☉☌ | 26 |
| 16 | G | 15 p.Tr. | 22△ 0 | | 5 8 58 | 21△ 5 | | 8 □30 | | 27 |
| 17 | a | Lampe. | | 21□43 | | Orien. | | | | 28 |
| 18 | b | Ferolus | | | | | 2 8 40 | 11△ 6 | ☌ Fomahant | 29 |
| 19 | c | Januar. | | 23✶27 | | | | | ☌ ☽, at 14 ho. 32′ | 30 |
| 20 | d | Fauſta | | | 9 △ 7 | | | | | 1 |
| 21 | e | S. Mat. | 5 8 30 | | | 2 8 18 | | | | Oct. |
| 22 | f | Maur. | | | 9 □ 9 | | 10△ 39 | 8 32 | ✶ ♀ ☿ | |
| 23 | G | 16 p.Tr. | | 21☌45 | | | | | ☌ Pleiades ☌ ☽ | |
| 24 | a | Rupert. | | | 11✶ 7 | | 16□ 3 | | at 0 ho. 8′ | |
| 25 | b | Cleoph. | 16△20 | | | 10△ 6 | | | ☌ Rigel ☌ ☽, | 6 |
| 26 | c | Cypria. | | | | | | 10△23 | at 14 ho. 47′ | 7 |
| 27 | d | Co. Dam. | | | | 19□52 2 ✶36 | | | | 8 |
| 28 | e | Wenc. | 4 □19 | 9 ✶17 | | | | 14□25 | | 9 |
| 29 | f | S. Mich | | | 2 ☌12 | | | | | 10 |
| 30 | G | 17 p.Tr. | 20✶40 | 20□11 | | 8 ✶51 | | 20✶15 | ☌☉☿ | 11 |

| | D | ♄ | ☌ | ♅ | ♋ | ♐ | ♍ | ☉ | ♒ | ♀ | ☌ | ☿ | ♑ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 14 | 18 | 14 | 14 | 26 | 58 | 19 | 22 | 10 | 57 | 27 | ♑29 | 3✶ ♄ ♃. 3☌ ♄ ♆ |
| Heliocentrick places of the Planets. | 6 | 14 | 29 | 14 | 39 | 29 | 13 | 24 | 15 | 18 | 59 | 11 | ♎44 | 3✶ ♃ ♀. 7△ ♄ ♇ |
| | 11 | 14 | 40 | 15 | 4 | 1 | ♎29 | 29 | 9 | 27 | 2 | 26 | 56 | 8 8 ♃ ♇. 15△ ♂ ♅ |
| | 16 | 14 | 51 | 15 | 29 | 3 | 47 | 4 | ♈ 4 | 5 | ♏ 6 | 13 | ♒38 | 15 8 ☌ ☉. 15✶ ☉ ♇ |
| | 21 | 15 | 2 | 15 | 54 | 6 | 5 | 9 | 0 | 13 | 10 | 2 | ♓27 | 17□ ♄ ♀. 24✶ ♄ ☿ |
| | 26 | 15 | 13 | 16 | 15 | 8 | 19 | 13 | 56 | 21 | 15 | 24 | 13 | 24△ ♃ ♀. 29□ ♃ · |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. ☽ | ♄ | ♃ | ♅ | ♆ | ♂ | ♀ | ☿ | ♇ | ☊ | ♃ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 18 54 | 20 26 | 5 N 10 | 18 29 | 27 35 | 13 44 | 6 58 | 18 27 | 25 30 | | | | |
| 2 | 19 53 | 2 ♍ 17 | 5 7 | 18 26 | 27 41 | 14 24 | 8 8 | 17 16 | 25 27 | | | | |
| 3 | 20 53 | 14 6 | 4 51 | 18 22 | 27 47 | 15 3 | 9 18 | 16 7 | 25 23 | | | | |
| 4 | 21 53 | 25 57 | 4 23 | 18 18 | 27 52 | 15 43 | 10 28 | 15 2 | 25 20 | | | | |
| 5 | 22 52 | 7 ♎ 52 | 3 45 | 18 14 | 27 58 | 16 22 | 11 38 | 14 5 | 25 17 | | | | |
| 6 | 23 52 | 19 52 | 2 53 | 18 10 | 28 3 | 17 2 | 12 49 | 13 21 | 25 14 | | | | |
| ☾ | 24 52 | 1 ♏ 59 | 1 56 | 18 6 | 28 9 | 17 41 | 13 59 | 12 44 | 25 11 | | | | |
| 8 | 25 51 | 14 14 | 0 57 | 18 2 | 28 14 | 18 21 | 15 9 | 12 18 | 25 8 | | | | |
| 9 | 26 51 | 26 37 | 0 S 7 | 17 57 | 28 19 | 19 0 | 16 19 | 12 D 2 | 25 5 | | | | |
| 10 | 27 51 | 9 ♐ 13 | 1 15 | 17 53 | 28 24 | 19 40 | 17 30 | 12 2 | 25 1 | | | | |
| 11 | 28 51 | 22 0 | 2 20 | 17 49 | 28 29 | 20 20 | 18 40 | 12 10 | 24 58 | | | | |
| 12 | 29 51 | 4 ♑ 58 | 3 20 | 17 45 | 28 33 | 21 0 | 19 51 | 12 26 | 24 55 | | | | |
| 13 | 0 ♏ 51 | 18 12 | 4 12 | 17 41 | 28 37 | 21 40 | 21 2 | 12 54 | 24 52 | | | | |
| ☽ | 1 51 | 1 ♒ 46 | 4 51 | 17 37 | 28 41 | 22 20 | 22 13 | 13 35 | 24 48 | | | | |
| 15 | 2 51 | 15 38 | 5 8 | 17 32 | 28 45 | 23 0 | 23 24 | 14 24 | 24 45 | | | | |
| 16 | 3 51 | 29 50 | 5 10 | 17 28 | 28 49 | 23 40 | 24 35 | 15 23 | 24 42 | | | | |
| 17 | 4 51 | 14 ♓ 19 | 4 53 | 17 23 | 28 52 | 24 21 | 25 46 | 16 26 | 24 39 | | | | |
| 18 | 5 51 | 29 6 | 4 13 | 17 18 | 28 56 | 25 1 | 26 57 | 17 31 | 24 35 | | | | |
| 19 | 6 51 | 13 ♈ 58 | 3 18 | 17 13 | 28 59 | 25 41 | 28 9 | 18 41 | 24 32 | | | | |
| 20 | 7 51 | 28 54 | 2 12 | 17 8 | 29 3 | 26 21 | 29 20 | 19 56 | 24 29 | | | | |
| ☾ | 8 51 | 13 ♉ 43 | 0 57 | 17 3 | 29 6 | 27 2 | 0 ♎ 31 | 21 17 | 24 26 | | | | |
| 22 | 9 51 | 28 14 | 0 N 20 | 16 58 | 29 9 | 27 42 | 1 43 | 22 40 | 24 23 | | | | |
| 23 | 10 52 | 12 ♊ 21 | 1 34 | 16 53 | 29 11 | 28 22 | 2 55 | 24 5 | 24 20 | | | | |
| 24 | 11 52 | 26 16 | 2 42 | 16 48 | 29 14 | 29 3 | 4 8 | 25 32 | 24 17 | | | | |
| 25 | 12 52 | 9 ♋ 26 | 3 40 | 16 43 | 29 16 | 29 43 | 5 20 | 27 1 | 24 14 | | | | |
| 26 | 13 52 | 22 13 | 4 24 | 16 38 | 29 18 | 0 ♏ 24 | 6 32 | 28 32 | 24 10 | | | | |
| 27 | 14 53 | 4 ♌ 42 | 4 55 | 16 33 | 29 20 | 1 4 | 7 44 | 0 ♏ 4 | 24 7 | | | | |
| ☉ | 15 53 | 16 54 | 5 15 | 16 28 | 29 21 | 1 45 | 8 57 | 1 37 | 24 4 | | | | |
| 29 | 16 54 | 28 49 | 5 10 | 16 23 | 29 23 | 2 25 | 10 9 | 3 11 | 24 1 | | | | |
| 30 | 17 54 | 10 ♍ 40 | 4 56 | 16 18 | 29 24 | 3 6 | 11 21 | 4 46 | 23 57 | | | | |
| 31 | 18 55 | 22 28 | 4 30 | 16 13 | 29 25 | 3 47 | 12 34 | 6 21 | 23 54 | | | | |

### The Latitude of the Planets.

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 32 | 0 | 13 | 0 | 42 | 0 | 27 | 1 | 28 | 1 |
| 2 | 33 | 0 | 14 | 0 | 40 | 0 | 49 | 0 | N 13 | 6 |
| 2 | 33 | 0 | 15 | 0 | 37 | 1 | 10 | 1 | 3 | 11 |
| 2 | 33 | 0 | 15 | 0 | 35 | 1 | 24 | 2 | 4 | 16 |
| 2 | 33 | 0 | 16 | 0 | 32 | 1 | 34 | 2 | 6 | 21 |
| 2 | 33 | 0 | 17 | 0 | 30 | 1 | 42 | 1 | 51 | 26 |

NO-

## The Lunar Aſpects.

| Fr. A. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets Mutual Aſpects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Remig. | | | | | | | * Cor ☾ ☌ ☽, | 12 |
| 2 | b | Leod. | | | | | 13 ☌ 14 | | at 10 ho. 44′ | 13 |
| 3 | c | Maxim | | 8 △ 30 ♉ | | | | | ☌ ☌ ♀ | 14 |
| 4 | d | Francis | | | 3 ✶ 53 | | | | | 15 |
| 5 | e | Conſt. | | | | 18 ☌ 0 | | 11 ☍ 43 | * Virgins Spick | 16 |
| 6 | f | Fides | 3 ☌ 39 | | 16 □ 22 | | | | ☌ ☽, at | 17 |
| 7 | G | 18 p. Tr. | | | | | | | 23 ho. 42′ | 18 |
| 8 | a | Pelagia | | 7 8 26 | | | 2 ✶ 0 | | | 19 |
| 9 | b | Dionyſ. | | | 2 △ 15 | | | | | 20 |
| 10 | c | Burch. | | | | 19 ✶ 54 | 17 □ 8 | 5 ✶ 17 | △ ♄ ♀. □ ♃ ☉ | 21 |
| 11 | d | Gideon | 13 ✶ 42 | | | | | | 10 day Arcturus | 22 |
| 12 | e | Colman | | 23 △ 0 | | | | | ☌ ☌, at 15 ho. 36′ | 23 |
| 13 | f | Edward | | | 18 8 30 | 6 □ 27 | 5 △ 38 | | * Head Andromeda | 24 |
| 14 | G | 19 p. Tr | 0 □ 7 | | | | | 21 △ 46 | ♈ | 25 |
| 15 | a | Hedwig | | 3 □ 9 | | 13 △ 4 | | | 10° 14′ 51″ | 26 |
| 16 | b | Gal us | 9 △ 10 | | | | | | ♀ Nat ♃ | 27 |
| 17 | c | Florent. | | 4 ✶ 58 | 23 △ 40 | | 20 8 12 | | * Merchab ☌ ☽ | 28 |
| 18 | d | S. Luke | | | | | | | at 8 ho. 13′ | 29 |
| 19 | e | Ptolem. | | | | 19 8 42 | | 8 8 17 | ✶ ♃ ♀ | 30 |
| 20 | f | Auſtres | 15 8 27 | | 0 □ 18 | | | | | 31 |
| 21 | G | 20 p. Tr. | | 5 ☌ 30 | | | | | 20 day Arcturus | |
| 22 | a | Cordula | | | 1 ✶ 32 | | 6 △ 28 | | ☌ ♀, at 0 ho. 20′ | Nov. |
| 23 | b | Roman | | | | | | 22 △ 38 | | |
| 24 | c | Ma. &c | | | | 5 △ 20 | 15 □ 45 | | □ ♃ ☌ | |
| 25 | d | Criſpin | 6 △ 56 | 13 ✶ 46 | | | | | | 5 |
| 26 | e | Amand. | | | 12 ☌ 31 | 15 □ 43 | | 13 □ 52 | □ ♃ ♀ * N. Aſſellus | 6 |
| 27 | f | Urſula | 21 □ 50 | 23 □ 8 | | | 6 ✶ 37 | | ☌ ☽, at 23 ho. 50′ | 7 |
| 28 | G | S. Si. &c | | | | | | | | 8 |
| 29 | a | Narciſſ. | | Occid. | | 7 ✶ 44 | | 10 ✶ 12 | 8 ☉ ♄ | 9 |
| 30 | b | Theon. | 16 ✶ 1 | 11 △ 23 | | | | | * Tail of ☾ ☌ ☽, | 10 |
| 31 | c | Wolfg. | | | 13 ✶ 40 | | | | at 14 ho. 04′ | 11 |

| | D | ♄ | ☌ | ♃ | ♋ | ♂ | ♎ | ☉ | ♈ | ♀ | ♏ | ☿ | ♈ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 15 | 25 | 16 | 44 | 10 | 32 | 18 | 54 | 29 | 19 | 19 | ♈ 49 | 4 ✶ ♃ ♀. 5 ☌ ♄ ♀ |
| | 6 | 15 | 36 | 17 | 9 | 12 | 50 | 23 | 52 | 7 | ♋ 25 | 19 | ♉ 18 | 9 △ ☌ ♀. 10 □ ☌ ♀ |
| | 11 | 15 | 47 | 17 | 33 | 15 | 8 | 28 | 51 | 15 | 31 | 21 | ♊ 5 | 11 ✶ ♄ ♀. 13 ☌ ♃ ♀ |
| | 16 | 15 | 58 | 17 | 58 | 17 | 27 | 3 | ♉ 51 | 23 | 37 | 22 | ♋ 2 | 14 ✶ ♄ ♀. 14 □ ☌ ♀ |
| | 21 | 16 | 9 | 18 | 23 | 19 | 47 | 8 | 51 | 1 | ♌ 44 | 19 | ♌ 40 | 15 ☌ ♃ ♀. 19 □ ♄ ♀ |
| | 26 | 16 | 20 | 18 | 48 | 22 | 8 | 13 | 52 | 9 | 50 | 13 | ♍ 17 | 28 ✶ ♃ ♀. 30 □ ♄ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ ♏ | ☽ ♎ | Lat. ☽ | ♄ ♉ | ♅ ♋ | ♃ ♍ | ♀ ♐ | ☿ ♏ | ♁ ♉ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 55 | 4 ♎40 | 3 N 52 | 16 7 | 29 26 | 4 28 | 13 46 | 7 56 | 23 51 |
| 2 | 20 55 | 16 14 | 3 7 | 16 2 | 29 26 | 5 9 | 14 59 | 9 32 | 23 47 |
| 3 | 21 56 | 28 20 | 2 10 | 15 57 | 29 27 | 5 50 | 16 12 | 11 7 | 23 44 |
| ☉ | 22 57 | 10♏40 | 1 8 | 15 52 | 29 27 | 6 31 | 17 25 | 12 43 | 23 41 |
| 5 | 23 57 | 23 14 | 0 2 | 15 47 | 29℞ 27 | 7 12 | 18 38 | 14 18 | 23 38 |
| 6 | 24 58 | 6 ♐ 0 | 1 S 6 | 15 43 | 29 27 | 7 53 | 19 51 | 15 53 | 23 35 |
| 7 | 25 59 | 19 32 | 2 12 | 15 38 | 29 27 | 8 33 | 21 4 | 17 28 | 23 32 |
| 8 | 27 0 | 2 ♑ 73 | 3 11 | 15 33 | 29 26 | 9 14 | 22 17 | 19 4 | 23 29 |
| 9 | 28 0 | 15 30 | 4 0 | 15 28 | 29 26 | 9 55 | 23 31 | 20 39 | 23 26 |
| 10 | 29 1 | 28 56 | 4 43 | 15 24 | 29 25 | 10 36 | 24 44 | 22 14 | 23 22 |
| ☉ | 0 ♐ 2 | 12♒34 | 5 7 | 15 19 | 29 24 | 11 16 | 25 57 | 23 49 | 23 19 |
| 12 | 1 3 | 26 23 | 5 16 | 15 15 | 29 23 | 11 57 | 27 11 | 25 25 | 23. 16 |
| 13 | 2 4 | 10♓24 | 5 2 | 15 10 | 29 21 | 12 38 | 28 24 | 27 0 | 23 13 |
| 14 | 3 4 | 24 35 | 4 30 | 15 6 | 29 19 | 13 19 | 29 38 | 28 35 | 23 10 |
| 15 | 4 5 | 8 ♈56 | 3 38 | 15 1 | 29 17 | 14 1 | 0♏52 | 0 ♐ 10 | 23 7 |
| 16 | 5 6 | 23 22 | 2 34 | 14 57 | 29 15 | 14 42 | 2 5 | 1 45 | 23 4 |
| 17 | 6 7 | 7 ♉54 | 1 21 | 14 53 | 29 13 | 15 23 | 3 19 | 3 21 | 23 0 |
| ☉ | 7 8 | 22 18 | 0 5 | 14 48 | 29 11 | 16 4 | 4 33 | 4 56 | 22 57 |
| 19 | 8 9 | 6 ♊29 | 1 N 10 | 14 44 | 29 8 | 16 46 | 5 47 | 6 31 | 22 54 |
| 20 | 9 10 | 20 28 | 2 20 | 14 40 | 29 6 | 17 27 | 7 0 | 8 6 | 22 50 |
| 21 | 10 11 | 4 ♋ 53 | 3 22 | 14 36 | 29 3 | 18 8 | 8 14 | 9 41 | 22 47 |
| 22 | 11 12 | 17 21 | 4 10 | 14 32 | 28 59 | 18 50 | 9 28 | 11 14 | 22 44 |
| 23 | 12 13 | 0 ♌12 | 4 46 | 14 28 | 28 56 | 19 31 | 10 42 | 12 47 | 22 41 |
| 24 | 13 14 | 12 44 | 5 5 | 14 24 | 28 52 | 20 3 | 11 56 | 14 20 | 22 38 |
| ☉ | 14 15 | 24 57 | 5 12 | 14 21 | 28 48 | 20 55 | 13 11 | 15 53 | 22 34 |
| 26 | 15 16 | 6 ♍56 | 5 5 | 14 17 | 28 44 | 21 36 | 14 25 | 17 26 | 22 31 |
| 27 | 16 18 | 18 46 | 4 43 | 14 14 | 28 40 | 22 18 | 15 39 | 19 0 | 22 28 |
| 28 | 17 19 | 0 ♎32 | 4 6 | 14 11 | 28 35 | 23 0 | 16 53 | 20 34 | 22 25 |
| 29 | 18 20 | 12 20 | 3 20 | 14 7 | 28 31 | 23 42 | 18 8 | 22 9 | 22 22 |
| 30 | 19 21 | 24 12 | 2 25 | 14 4 | 28 27 | 24 23 | 19 22 | 23 43 | 22 19 |

**The Latitude of the Planets**

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 32 | 0 | 18 | 0 | 27 | 1 | 49 | 1 | 18 | 1 |
| 2 | 32 | 0 | 19 | 0 | 25 | 1 | 51 | 0 | 46 | 6 |
| 2 | 31 | 0 | 20 | 0 | 22 | 1 | 52 | 0 | 12 | 11 |
| 2 | 31 | 0 | 21 | 0 | 20 | 1 | 51 | 0 | S 21 | 16 |
| 2 | 30 | 0 | 22 | 0 | 17 | 1 | 48 | 0 | 53 | 21 |
| 2 | 29 | 0 | 23 | 0 | 15 | 1 | 43 | 1 | 20 | 26 |

NO-

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | b | *Om. Sa* | | | | | 21 ☌ ♌ | | | 12 |
| 2 | c | *Om. An.* | | | | | | | *S. Balance | 13 |
| 3 | d | Winifr. | | | 2 □ ♑ 11 | 15 ☌ ♐ 25 | | | ☌ ☿, at | 14 |
| 4 | e | 22 *p. Tr.* | | 10 8 0 | | | | 4 ☌ ♐ 28 | 21 ho. 57′ | 15 |
| 5 | f | Lætus | 1 ☌ ♐ 31 | | 11 △ ♋ 42 | | | | ☉ eclipted invisible | 16 |
| 6 | g | Leonar. | | | | | | | 8 ♄ ♀. * Lucida | 17 |
| 7 | a | Florent | | | | | 4 ✶ 5 | | Corona ☌ ☌, at | 18 |
| 8 | b | Severus | | 23 △ 56 | | 13 ✶ ♎ 28 | | | 7 ho. 12′ | 19 |
| 9 | c | Theod. | | | | | 15 □ 46 | 10 ✶ 26 | *Swans mouth | 20 |
| 10 | d | Mart. P. | ☌ ✶ 8 | | ☌ 8 52 | 21 □ ♑ 30 | | | ☌ ☽, at | 21 |
| 11 | e | Mart E. | | 4 □ 48 | | | | 22 □ 5 | 21 ho. 06′ | 22 |
| 12 | f | Ludov. | 8 □ 36 | | | | 1 △ 28 | | | 23 |
| 13 | g | Aſcani. | | 7 ✶ 57 | | 3 △ 58 | | | □ 4 ♀ | 24 |
| 14 | a | Freder. | 14 △ 14 | | 7 △ 50 | | | 7 △ 31 | △ 4 ♀ | 25 |
| 15 | b | Leop. | | | | | | | | 26 |
| 16 | c | Othm. | | | 9 □ 38 | | 15 8 43 | | 8 ♄ ☌ | 27 |
| 17 | d | Anian. | | 11 ☌ ♐ 41 | | 13 8 7 | | | 16 day N. Balance | 28 |
| 18 | e | 24 *p. Tr.* | | | 11 ✶ ♎ 35 | | | | ☌ ☌, at | 29 |
| 19 | f | Elizab. | 3 8 4 | | | | | ☌ 8 4 | 19 ho. 48′ | 30 |
| 20 | g | Eugen. | | | | | | | | |
| 21 | a | Ob. V. M | | 19 ✶ 7 | | | 8 △ 17 | | | |
| 22 | b | Cæcilia | | | | 2 △ ♑ 5 | | | ☌ ☉ ☿ | |
| 23 | c | Clem. | | | 21 ☌ 9 | | 22 □ 18 | *Occid* | *S. Balance | |
| 24 | d | Chriſog | 1 △ ☌ 3 | □ 18 | | 15 □ ♎ 34 | | 2 △ ♐ 33 | ☌ ☿, at 5 ho. 11′ | *Decemb.* |
| 25 | e | 25 *p. Tr.* | | | | | | | 8 ♄ ☿ | 6 |
| 26 | f | Conrad. | 18 □ 23 | 14 △ 56 | | | 17 ✶ ☌ | | *N. Balance | 7 |
| 27 | g | Gunth. | | | 20 ✶ 57 | 7 ✶ ♎ 40 | | ☌ □ 30 | ☌ ♃, at 16 h. 13′ | 8 |
| 28 | a | Ruffus | | | | | | | | 9 |
| 29 | b | Saturn. | 13 ✶ 15 | | | | | 23 ✶ ☌ | * Virgins Spick | 10 |
| 30 | c | St. *And.* | | | 8 □ ♑ 27 | | | | ☌ ☽, at 14 ho. 55′ | 11 |

| | D | ♄ | ♉ | ♃ | ♋ | ♂ | ♎ | ☉ | ♉ | ♀ | ♌ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 16 | 33 | 19 | 16 | 24 | 59 | 19 | 55 | 19 | 34 | 7 | ♎ 9 | 1 ✶ 4 ☉. 1 □ ☾ ♀ |
| | 6 | 16 | 44 | 19 | 41 | 27 | 21 | 24 | 58 | 27 | 4☾ | 24 | 25 | 4 □ 4 ☿. 5 ✶ ☌ ♀ |
| | 11 | 16 | 55 | 20 | 6 | 29 | 45 | ☌ | ♊ 2 | 5 | ♍ 45 | 10 | ♏ ☌ | 7 ☌ ☌ ♀. 8 ✶ ♀ ☿ |
| | 16 | 17 | 6 | 20 | 31 | 2 | ♏ 9 | 5 | 6 | 13 | 50 | 24 | 29 | 13 ☋ ♄ ♀. 14 △ 4 ♀ |
| | 21 | 17 | 17 | 20 | 55 | 4 | 35 | 10 | 11 | 21 | 55 | 8 | ♐ 36 | 18 □ ♄ ♀. 20 ✶ 4 ♀ |
| | 26 | 17 | 28 | 21 | 20 | 7 | 1 | 15 | 16 | 29 | 59 | 22 | 2 | 22 8 ☉ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. | ♄ | ♅ | ♃ | ♂ | ♀ | ☿ | ♂ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 20 22 | 6 25 | 1 25 | 14 1 | 28 22 | 25 5 | 20 36 | 25 18 | 22 16 | | |
| ☉ | 21 23 | 18 50 | 0 19 | 13 57 | 28 17 | 25 47 | 21 51 | 26 53 | 22 12 | | |
| 3 | 22 24 | 1 ♐ 33 | 0 S 50 | 13 54 | 28 11 | 26 29 | 23 5 | 28 29 | 22 9 | | |
| 4 | 23 25 | 14 34 | 1 54 | 13 51 | 28 6 | 27 11 | 24 19 | 0♍ 4 | 22 6 | | |
| 5 | 24 26 | 27 54 | 2 56 | 13 48 | 28 0 | 27 53 | 25 34 | 1 39 | 22 3 | | |
| 6 | 25 27 | 11♍28 | 3 50 | 13 45 | 27 54 | 28 34 | 26 48 | 3 14 | 21 0 | | |
| 7 | 26 29 | 25 16 | 4 33 | 13 42 | 27 48 | 29 16 | 28 3 | 4 50 | 21 57 | | |
| 8 | 27 30 | 9 ♒ 9 | 4 58 | 13 39 | 27 42 | 29 58 | 29 17 | 6 25 | 21 54 | | |
| ☉ | 28 31 | 23 12 | 5 10 | 13 37 | 27 36 | 0 ♐ 40 | 0 ♐ 32 | 8 0 | 21 51 | | |
| 10 | 29 32 | 7 ♓ 16 | 4 59 | 13 34 | 27 30 | 1 22 | 1 46 | 9 36 | 21 47 | | |
| 11 | 0♍ 33 | 21 21 | 4 33 | 13 31 | 27 23 | 2 4 | 3 1 | 11 11 | 21 44 | | |
| 12 | 1 34 | 5 ♈ 27 | 3 48 | 13 29 | 27 17 | 2 46 | 4 16 | 12 47 | 21 41 | | |
| 13 | 2 36 | 19 30 | 2 46 | 13 26 | 27 11 | 3 29 | 5 30 | 14 22 | 21 38 | | |
| 14 | 3 37 | 3 ♉ 31 | 1 36 | 13 24 | 27 4 | 4 11 | 6 45 | 15 57 | 21 35 | | |
| 15 | 4 38 | 17 30 | 0 22 | 13 21 | 26 58 | 4 53 | 8 0 | 17 33 | 21 32 | | |
| ☉ | 5 39 | 1 ♊ 27 | 0 N 52 | 13 19 | 26 51 | 5 35 | 9 15 | 19 8 | 21 28 | | |
| 17 | 6 40 | 15 13 | 2 1 | 13 17 | 26 44 | 6 18 | 10 29 | 20 43 | 21 25 | | |
| 18 | 7 42 | 28 48 | 3 3 | 13 15 | 26 37 | 7 0 | 11 44 | 22 17 | 21 22 | | |
| 19 | 8 43 | 12♋12 | 3 53 | 13 13 | 26 30 | 7 42 | 12 59 | 23 50 | 21 19 | | |
| 20 | 9 44 | 25 16 | 4 32 | 13 11 | 26 22 | 8 25 | 14 14 | 25 21 | 21 16 | | |
| 21 | 10 45 | 8 ♌ 34 | 4 57 | 13 9 | 26 15 | 9 7 | 15 29 | 26 52 | 21 13 | | |
| 22 | 11 47 | 20 32 | 5 8 | 13 8 | 26 7 | 9 50 | 16 44 | 28 23 | 21 10 | | |
| ☉ | 12 48 | 2 ♍ 45 | 5 2 | 13 6 | 26 0 | 10 32 | 17 59 | 29 56 | 21 7 | | |
| 24 | 13 49 | 14 47 | 4 45 | 13 5 | 25 52 | 11 15 | 19 14 | 1 ♒ 16 | 21 3 | | |
| 25 | 14 50 | 26 33 | 4 17 | 13 4 | 25 44 | 11 58 | 20 29 | 2 40 | 20 59 | | |
| 26 | 15 52 | 8 ♎ 27 | 3 32 | 13 3 | 25 36 | 12 41 | 21 44 | 4 1 | 20 56 | | |
| 27 | 16 53 | 20 16 | 2 40 | 13 2 | 25 28 | 13 24 | 22 59 | 5 18 | 20 53 | | |
| 28 | 17 54 | 2 ♏ 11 | 1 40 | 13 1 | 25 19 | 14 7 | 24 14 | 6 30 | 20 49 | | |
| 29 | 18 55 | 14 20 | 0 35 | 13 0 | 25 11 | 14 50 | 25 29 | 7 37 | 20 46 | | |
| ☉ | 19 57 | 26 46 | 0 S 32 | 12 59 | 25 2 | 15 32 | 26 44 | 8 39 | 20 43 | | |
| 31 | 20 58 | 9 ♐ 32 | 1 40 | 12 59 | 24 54 | 16 14 | 27 59 | 9 36 | 20 40 | | |

### The Latitude of the Planets

| h | | ♃ | | ♂ | | ♀ | | ☿ | | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 28 S | 0 | 24 N | 0 | 12 N | 1 | 37 N | 1 | 42 S | 1 |
| 2 | 27 S | 0 | 24 N | 0 | 9 N | 1 | 29 S | 2 | 0 | 6 |
| 2 | 26 S | 0 | 25 N | 0 | 5 N | 1 | 19 S | 2 | 8 | 11 |
| 2 | 25 S | 0 | 26 N | 0 | 2 N | 1 | 8 S | 2 | 6 | 16 |
| 2 | 23 S | 0 | 27 N | 0 | S 2 S | 0 | 57 S | 1 | 51 | 21 |
| 2 | 22 S | 0 | 28 N | 0 | 6 S | 0 | 46 S | 1 | 18 | 26 |

## The Lunar Aſpects.

| Jul. A. | W. D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Orien. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | R. Aſc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Eligius | | 14 8 42 | | | | | * S. Ballance | 12 |
| 2 | G | *Ad. Sun.* | | | 17 △ 40 | 13 ♂ 54 | 6 ♂ 19 | | ☌ ☽, at | 13 |
| 3 | a | Caſſian | | | | | | | 8 ho. 48′ | 14 |
| 4 | b | Barbara | 17 ♂ 11 | | | | | | | 15 |
| 5 | c | Sabina | | | | | | 7 ♂ 30 | △ ♃ ♂. △ ♃ ♀ | 16 |
| 6 | d | Nichol. | | 4 △ 0 | | | | | * Shining Harp | 17 |
| 7 | e | Agat. M. | | | 4 8 24 | 7 ✶ 17 | 5 ✶ 28 | | ☌ ☽, at Noon | 18 |
| 8 | f | Con. M. | | 9 □ 24 | | | | | | 19 |
| 9 | G | 2 *Su. Ad* | 9 ✶ 44 | | | 13 □ 24 | 13 □ 49 | | ☌ ☌ ♀ | 20 |
| 10 | a | Eulalia | | 10 ✶ 41 | | | | 4 ✶ 30 | | 21 |
| 11 | b | Damaſ. | 16 □ 49 | | 10 △ 12 | 19 △ 12 | 22 △ 4 | | | 22 |
| 12 | c | Valerius | | | | | | 14 □ 8 | △ ♄ ☿ | 23 |
| 13 | d | Lucia V. | | | 13 □ 3 | | | | * Antares | 24 |
| 14 | e | Nicaſi. | 0 △ 14 | 16 ♂ 51 | | | | | ☌ ♀, at | 25 |
| 15 | f | Abrah. | | | 16 ✶ 8 | | | 0 △ 6 | 3 ho. 12′ | 26 |
| 16 | G | 3 *Su. Ad.* | | | | 7 ☽ 8 37 | 14 8 54 | | | 27 |
| 17 | a | Lazarus | | | | | | | 16 day Antares | 28 |
| 18 | b | Rufus | 17 8 11 | | | | | | ☌ ☌, at 2 ho. 49′ | 29 |
| 19 | c | Loth. | | 1 ✶ 52 | | | | | | 30 |
| 20 | d | Ammo. | | | 2 ♂ 4 | | | 0 8 10 | 8 ♃ ☿ | 31 |
| 21 | e | *S Thom.* | | 9 □ 48 | | 2 △ 8 | 15 △ 56 | | * Swans Mouth | |
| 22 | f | 30 Mar. | | | | | | | ☌ ♀, at 5 ho. 1′ | |
| 23 | G | 4 *S. Ad.* | 21 △ 47 | 20 △ 39 | | 16 □ 29 | | | △ ♄ ☉ | *Jan.* |
| 24 | a | Ignarius | | | 22 ✶ 10 | | 10 □ 12 | | | |
| 25 | b | *Chriſtm.* | | | | | | 14 △ 18 | * Head Hercules | 5 |
| 26 | c | *S Steph* | 16 □ 25 | | | 9 ✶ 9 | | | 8 ♄ ♂ ☌ ♂ | 6 |
| 27 | d | *S John* | | | 10 □ 21 | | 3 ✶ 52 | | at Noon | 7 |
| 28 | e | *S Innoc.* | | 21 8 18 | | | | 9 □ 22 | | 8 |
| 29 | f | Jonat. | 9 ✶ 35 | | 21 △ 13 | | | | * N. Ballance | 9 |
| 30 | G | David | | | | | | | ☌ ☽, at | 10 |
| 31 | a | Silveſt. | | | | 13 ♂ 24 | | 0 ✶ 8 | 1 ho 46′ | 11 |

Heliocentrick places of the Planets.

| D. | ♄ | ☿ | ♃ | ♀ | ♂ | ♍ | ☉ | ♊ | ♀ | ♎ | ♀ | ♈ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 39 | 21 | 44 | 9 | 30 | 20 | 22 | 8 | 1 | 6 ♉ | 2 | 3 ✶ ♂ ♀. 4 △ ♄ ♀ |
| 6 | 17 | 50 | 22 | 9 | 12 | 0 | 25 | 27 | 16 | 4 | 20 | 48 | 7 ☌ ♃ ♀. 9 □ ♃ ♀ |
| 11 | 18 | 1 | 22 | 33 | 14 | 30 | 0 ♋ | 33 | 24 | 6 | 6 ♊ | 51 | 14 □ ♄ ♀. 18 ☌ ♄ ♂ |
| 16 | 18 | 12 | 22 | 58 | 17 | 2 | 5 | 39 | 2 ♍ | 7 | 24 | 45 | 23 ✶ ♄ ♀. 24 △ ♃ ♀ |
| 21 | 18 | 23 | 23 | 22 | 19 | 34 | 10 | 45 | 10 | 8 | 15 ♓ | 13 | 28 ✶ ♄ ☿. 26 ☌ ♄ ♀ |
| 26 | 18 | 34 | 23 | 47 | 22 | 8 | 15 | 52 | 18 | 7 | 9 ♈ | 13 | 29 ☌ ☌ ♀. 30 △ ♃ ♂ |

The

*The Radices of the middle Motions of the Planets* January *the First* 1705, *Old Stile, according to* SCIENTIA STELLARUM.

| | S | D | ′ | ″ |
|---|---|---|---|---|
| THE Progreſſion of the firſt ✱ of ♈ from the Vernal Equinox | 9 | 29 | 4 | 11 |
| The middle Longitude of the Sun | 9 | 21 | 42 | 49 |
| The Aphelion of the Sun | 3 | 7 | 29 | 24 |
| The Anomaly of the Sun | 6 | 14 | 13 | 25 |
| The middle Longitude of the Moon | 4 | 19 | 12 | 00 |
| The Apogæon of the Moon | 4 | 21 | 45 | 00 |
| The Node Aſcend. of the Moon | 2 | 9 | 57 | 00 |
| The middle Motion of *Saturn* | 1 | 10 | 36 | 00 |
| The Aphelion of *Saturn* | 8 | 28 | 12 | 00 |
| The Node Aſcend. of *Saturn* | 3 | 21 | 35 | 00 |
| The middle Motion of *Jupiter* | 2 | 18 | 33 | 00 |
| The Aphelion of *Jupiter* | 6 | 10 | 8 | 00 |
| The Node Aſcend. of *Jupiter* | 3 | 7 | 18 | 00 |
| The middle Motion of *Mars* | 1 | 24 | 35 | 00 |
| The Aphelion of *Mars* | 5 | 1 | 6 | 00 |
| The Node Aſcend. of *Mars* | 1 | 17 | 59 | 00 |
| The middle Motion of *Venus* | 0 | 12 | 17 | 00 |
| The Aphelion of *Venus* | 10 | 1 | 33 | 00 |
| The Node Aſcend. of *Venus* | 2 | 14 | 23 | 00 |
| The middle Motion of *Mercury* | 0 | 0 | 4 | 00 |
| The Aphelion of *Mercury* | 8 | 13 | 3 | 00 |
| The Node Aſcend. of *Mercury* | 1 | 15 | 16 | 00 |

*End of the Ephemeris for the Year of the Chriſtian* Æra 1705.

AN

# EPHEMERIS

OF THE

# Cœleſtial Motions

AND

# ASPECTS

For the Year of the Chriſtian *ÆRA* 1706.

Calculated for the Meridian of

# *LONDON:*

Whereto are number'd from

| | | | |
|---|---|---|---|
| The | Creation of the World | 5655 | Years. |
| | General Deluge | 3999 | |
| | Building of *London* | 2813 | |
| | Death of *Alexander the Great* | 2028 | |
| | Beginning of the *Julian* Year | 1749 | |
| | Paſſion and Death of Chriſt | 1673 | |
| | Flight of *Mahomet* | 1115 | |
| | Correction of the Calendar by P. *Gregory* | 124 | |

| *Julian* | | *Gregorian* |
|---|---|---|
| 16 | The Golden Number | 16 |
| 7 | The Cycle of the Sun | 7 |
| F | The Dominical Letters | B |
| 14 | The Roman Indiction | 14 |
| 26 | The Epact | 16 |
| 3 | Number of Direction | 6 |

| *Julian* | | | *Gregorian.* |
|---|---|---|---|
| *Febr.* | 3 | *Shrove-Sunday* | 13 *Feb.* |
| *Mar.* | 24 | *Eaſter Day* | 3 *Apr.* |
| *Apr.* | 28 | *Rogation Sunday* | 8 *May.* |
| *May* | 2 | *Aſcenſion day* | 12 *May.* |
| *May* | 12 | *Whit-Sunday* | 22 *May.* |
| *Dec.* | 1 | *Advent Sunday* | 27 *Nov.* |

By *JOHN WING*, Mathemat.

*LONDON*, Printed in the Year 1702.

*The Calculation of the Sun's Ingreſs into the four Cardinal Signs, with the Planets Places reduc'd to that time.*

| *Tempus datum.* | Longitude ☉ S. | ° | ′ | ″ | Anomaly ☉ S. | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|
| Epocha 1706 | 9 | 20 | 30 | 21 | 6 | 12 | 58 | 56 |
| *March* Day 9 | 2 | 7 | 01 | 26 | 2 | 7 | 01 | 15 |
| Hours 12 | | | 29 | 34 | | | 29 | 34 |
| 54′ 42″ | | | 2 | 15 | | | 2 | 15 |
| Mean Mot. ☉ | 11 | 28 | 03 | 36 | 8 | 20 | 32 | 00 |
| Proſthaph. add. | | 1 | 56 | 24 | ☉ enters ♈ | | | |
| Sun's Place. | ♈ | 00 | 00 | 00 | | | | |

| | S. | ° | ′ | ″ |
|---|---|---|---|---|
| ♄ | ♉ | 16 | 41 | 13 |
| ♃ | ♋ | 19 | 30 | 32 |
| ♂ | ♒ | 6 | 23 | 39 |
| ♀ | ♓ | 23 | 36 | 37 |
| ☿ | ♓ | 15 | 32 | 48 |
| ☽ | ♊ | 25 | 46 | 11 |
| ☊ | ♉ | 17 | 2 | 23 |

### *The Sun's Ingreſs into* ♋.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Epocha 1706 | 9 | 20 | 30 | 21 | 6 | 12 | 58 | 56 |
| *June* Day 10 | 5 | 8 | 41 | 21 | 5 | 8 | 40 | 54 |
| Hours 13 | | | 32 | 2 | | | 32 | 2 |
| 17′ 17″ | | | | 42 | | | | 42 |
| Mean Mot. ☉ | 2 | 19 | 44 | 26 | 11 | 22 | 12 | 34 |
| Proſthaph. add. | | | 15 | 34 | ☉ enters ♋ | | | |
| Sun's Place. | ♋ | 00 | 00 | 00 | | | | |

| | S. | ° | ′ | ″ |
|---|---|---|---|---|
| ♄ | ♉ | 28 | 5 | 52 |
| ♃ | ♌ | 1 | 28 | 38 |
| ♂ | ♈ | 15 | 6 | 15 |
| ♀ | ♋ | 18 | 10 | 27 |
| ☿ | ♊ | 7 | 56 | 12 |
| ☽ | ♍ | 12 | 1 | 55 |
| ☊ | ♉ | 12 | 10 | 20 |

### *The Sun's Ingreſs into* ♎.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Epocha 1706 | 9 | 20 | 30 | 21 | 6 | 12 | 58 | 56 |
| *Septemb.* Day 12 | 8 | 11 | 20 | 24 | 8 | 11 | 19 | 48 |
| Hours 2 | | | 4 | 56 | | | 4 | 56 |
| 25′ 00″ | | | 1 | 2 | | | 1 | 2 |
| Mean Mot. ☉ | 6 | 01 | 56 | 43 | 2 | 24 | 24 | 42 |
| Proſthaph. ſub. | | 1 | 56 | 43 | ☉ enters ♎ | | | |
| Sun's Place. | ♎ | 00 | 00 | 00 | | | | |

| | S. | ° | ′ | ″ |
|---|---|---|---|---|
| ♄ | ♊ | 3 | 51 | 54 |
| ♃ | ♌ | 21 | 22 | 07 |
| ♂ | ♊ | 7 | 48 | 49 |
| ♀ | ♍ | 10 | 38 | 8 |
| ☿ | ♎ | 5 | 7 | 9 |
| ☽ | ♈ | 14 | 55 | 31 |
| ☊ | ♉ | 7 | 9 | 42 |

### *The Sun's Ingreſs into* ♑.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Epocha 1706 | 9 | 20 | 30 | 21 | 6 | 12 | 58 | 56 |
| *Decemb.* Day 10 | 11 | 9 | 03 | 45 | 11 | 9 | 02 | 44 |
| Hours 16 | | | 39 | 25 | | | 39 | 25 |
| 40′ 24″ | | | 1 | 39 | | | 1 | 39 |
| Mean Mot. ☉ | 9 | 00 | 15 | 10 | 5 | 22 | 42 | 44 |
| Proſthaph. ſub. | | | 15 | 10 | ☉ enters ♑ | | | |
| Sun's Place. | ♑ | 00 | 00 | 00 | | | | |

| | S. | ° | ′ | ″ |
|---|---|---|---|---|
| ♄ | ♉ | 28 | 12 | 44 |
| ♃ | ♍ | 00 | 52 | 00 |
| ♂ | ♉ | 25 | 9 | 50 |
| ♀ | ♒ | 11 | 15 | 56 |
| ☿ | ♑ | 19 | 18 | 52 |
| ☽ | ♌ | 3 | 30 | 15 |
| ☊ | ♉ | 2 | 25 | 13 |

*Of*

## *Of the Eclipſes this Year* 1706.

THere will happen (according to Aſtronomical Computation) to be four Eclipſes this preſent Year, whereof three of them will be viſible in our Britiſh Iſle, and they happen in this following Order.

The Firſt is a Partial and Viſible Eclipſe of the Moon, happening *April* the 17 day near 1 in the Morning; of which ſee the following Calculation

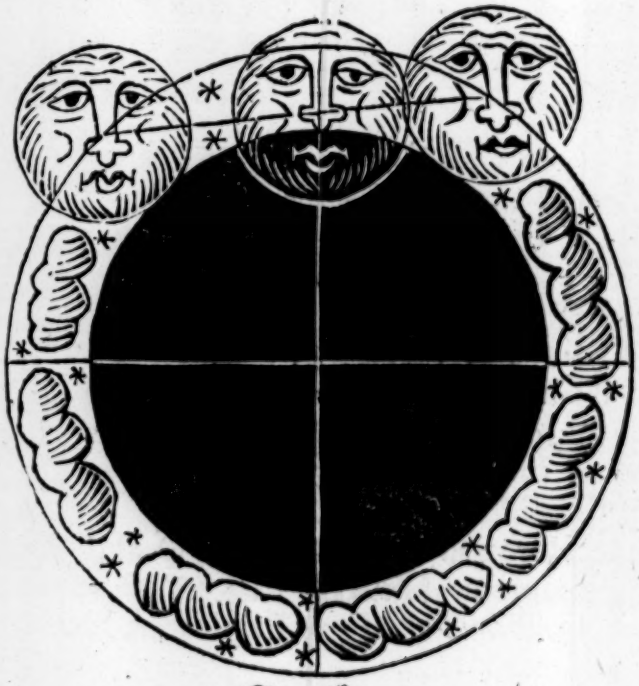
| | S. D. D. | H. | ′ | ″ |
|---|---|---|---|---|
| The middle time of the true ☽ is *April* | 16 | 13 | 4 | 36 |
| The true Place of the Sun then is | ♉ | 7 | 14 | 13 |
| The Eccentrick Place of the Moon | ♏ | 7 | 14 | 13 |
| The Argument of the Moon's Latitude | 5 | 22 | 12 | 57 |
| The Moon's Latitude No. Deſcend. | | | 40 | 35 |
| The Time of Reduction ſubſtract | | | 3 | 48 |
| The true ☽ in reſpect of the Ecliptick *April* | 16 | 13 | 0 | 48 |
| The Equation of time add | | | 9 | 28 |
| The apparent time of the true ☽ *April* | 16 | 13 | 10 | 16 |
| The Sum of the Horozontal Parallaxes of ☉ and ☽ | | | 53 | 45 |
| The Sun's Semidiameter ſubſtract | | | 16 | 9 |
| The apparent Semidiameter of the Earth's Shadow | | | 37 | 36 |
| The ☽'s Semidiameter add | | | 14 | 54 |
| The Sum of the Semidiameters | | | 52 | 30 |
| The Moon's Latitude ſubſtract | | | 40 | 20 |
| The Scruples deficient | | | 12 | 10 |
| The Digits Eclipſed 4° 54′ 00″ | | 4 | 54 | 00 |
| The Scruples of Incidence | | | 33 | 36 |
| The time of Incidence | | 1 | 13 | 7 |
| The total Duration | | 2 | 26 | 14 |
| The Interval add | | | 7 | 43 |

| | | H. | ′ | ″ | |
|---|---|---|---|---|---|
| Hence | The Beginning of the Eclipse is at | 12 | 4 | 51 | P. M. |
| | The true Opposition | 13 | 10 | 16 | |
| | The middle or greatest Obscuration | 13 | 17 | 59 | |
| | The End of the Eclipse | 14 | 31 | 6 | |

*A Type of this Eclipse.*

North.

East



West

South.

The Moon's Latitude at { the Beginning is 43′ 22″ } No. descend.
{ the End is 37 10 }

The

The Second is a Great and Visible Eclipse of the Sun, on the First of *May* before Noon. The Calculation of the said Eclipse is as follows.

## *The Calculation.*

| | S D H | D | ′ | ″ |
|---|---|---|---|---|
| The middle time of the true ☌ is *April* | 30 | 21 | 28 | 54 |
| The place of the Luminaries | ♉ | 21 | 6 | 6 |
| The Moon's N. Node sub. | 1 | 14 | 16 | 9 |
| The Argument of her Latitude | 0 | 6 | 49 | 57 |
| The Reduction substract | | | 1 | 31 |
| The time of Reduction add | | | 2 | 36 |
| The true Ecliptical ☌ *April* | 30 | 21 | 31 | 30 |
| The Equation of time add | | | 9 | 48 |
| The apparent time of the true ☌ *April* | 30 | 21 | 41 | 18 |
| At which time the R. A. of M. C. is | | 14 | 0 | 00 |
| The Meridian Angle | | 67 | 12 | 00 |
| The Declination of M. C. North | | 5 | 57 | 10 |
| The Altitude of the M. C. | | 44 | 25 | 10 |
| The Altitude of Nonagesime Degr. | | 48 | 49 | 00 |
| The distance of M. C. á Nonages. Degr. | | 21 | 33 | 50 |
| The Sun's dist. á Nonages. Degr. towards the East | | 14 | 22 | 40 |
| The Horozontal Parallax ☽ á ☉ | | | 59 | 41 |
| The Parallax of Longitude is | | | 11 | 9 |
| The Parallax of Latitude is | | | 39 | 18 |
| To 1 ho. before the true ☌, *viz.* | | 20 | 41 | 18 |
| The R. A. of M. C. is | | 358 | 57 | 30 |
| The M. C. is | ♓ | 28 | 52 | 10 |
| The Meridian Angle | | 66 | 29 | 20 |
| The Declination M. C. South | | | 27 | 1 |
| The Altitude of M. C. | | 38 | 0 | 59 |
| The Altitude of the Nonages. Degr. | | 43 | 44 | 40 |
| The Distance of M. C. á Nonages. Degr. | | 27 | 2 | 4 |

| | ☽ D / D H | ☽ / | ☽ // |
|---|---|---|---|
| The Distance of the Sun á Nonages. Deg. to the East | | 25 10 | 46 |
| The Parallax of Longitude | | 17 | 33 |
| The Parallax of Latitude | | 43 | 7 |
| The true Motion ☽ á ☉ in one hour | | 34 | 53 |
| The Difference of Parallax subſtract | | 6 | 24 |
| The viſible hourly Motion ☽ á ☉ | | 28 | 29 |
| The Interval ſubſtract | | 23 | 29 |
| Hence the viſible ☌ is *April* | 30 21 | 17 | 49 |
| At which time the Sun's true Place is | ♉ 21 | 5 | 39 |
| The ☽'s Eccentrick Place | ♑ 20 | 52 | 6 |
| The Anomaly of the Moon's Latitude | 0 6 | 35 | 55 |
| The true Latitude of the Moon No. Aſcend. | | 34 | 25 |
| The R. A. of M. C. | 8 | 6 | 15 |
| The Mid-Heaven | ♈ 8 | 55 | 50 |
| The Meridian Angle | 66 | 43 | 15 |
| The Declination of M.C. North | 3 | 11 | 12 |
| The Altitude of M.C. | 41 | 39 | 12 |
| The Altitude of the Nonages. Degr. | 46 | 39 | 20 |
| The diſtance of M.C. á Nonages. Degr. | 23 | 57 | 50 |
| The Nonageſim, Degree | ♉ 2 | 53 | 30 |
| The diſtance of ☉ á Nonages. Deg to the East | 0 18 | 12 | 9 |
| The Parallax in Longitude | | 13 | 33 |
| The Parallax in Latitude | | 40 | 58 |
| The viſible Latitude of the Moon South | | 6 | 33 |
| The Semidiameter of the Sun | | 16 | 4 |
| The Semidiameter of the Moon | | 16 | 32 |
| The Sum of the Semidiameters | | 32 | 36 |
| The Scruples deficient | | 26 | 3 |
| The Digits eclipſed 9° 43′ 48″ | 9 | 43 | 48 |
| The Scruples of Incidence | | 31 | 56 |
| To 1 hour before the viſible ☌, *viz.* | 20 | 17 | 49 |
| The R.A. of M.C. is | 353 | 4 | 15 |
| The M.C. | ♐ 22 | 24 | 20 |
| The Meridian Angle | 66 | 40 | 20 |
| The Declination of M.C. So. | 2 | 57 | 30 |
| The Altitude of M.C. | 25 | 31 | 30 |

The

| | S D / | | |
|---|---|---|---|
| | D H / | | // |
| The Altitude of Nonageſime degr | | 41 | 38 30 |
| The diſtance M.C. á Nonageſ. degr. | | 29 | 1 12 |
| The Nonageſime degr. | ♈ | 21 | 25 32 |
| The diſtance ☉ á Nonageſ. degr. to the Eaſt | 0 | 29 | 38 28 |
| The Parallax in Longitude | | | 19 37 |
| The Parallax in Latitude | | | 44 36 |
| Again to 1 ho. after the viſible ♂ *viz.* | | 22 | 17 49 |
| The R.A. of M.C. is | | 23 | 7 15 |
| The Mid-Heaven | ♈ | 24 | 57 45 |
| The meridian Angle | | 68 | 27 49 |
| The Declination of M.C. | | 9 | 41 31 |
| The Altitude of the M.C. | | 48 | 9 31 |
| The Altitude of the Nonageſ. degr. | | 51 | 38 50 |
| The diſtance M.C. á No. gr. | | 18 | 11 40 |
| The Nonageſ. degr. Or 90° of the Ecliptick | ♉ | 12 | 9 25 |
| The diſtance ☉ á No. gr. towards the Eaſt | | 7 | 58 55 |
| The Parallax of Longitude | | | 6 30 |
| The Parallax of Latitude | | | 37 2 |
| The time of Incidence | | 1 | 6 53 |
| The time of Repletion | | 1 | 8 50 |
| The total duration | | 2 | 15 43 |
| The Interval ſubſtract | | | 1 15 |

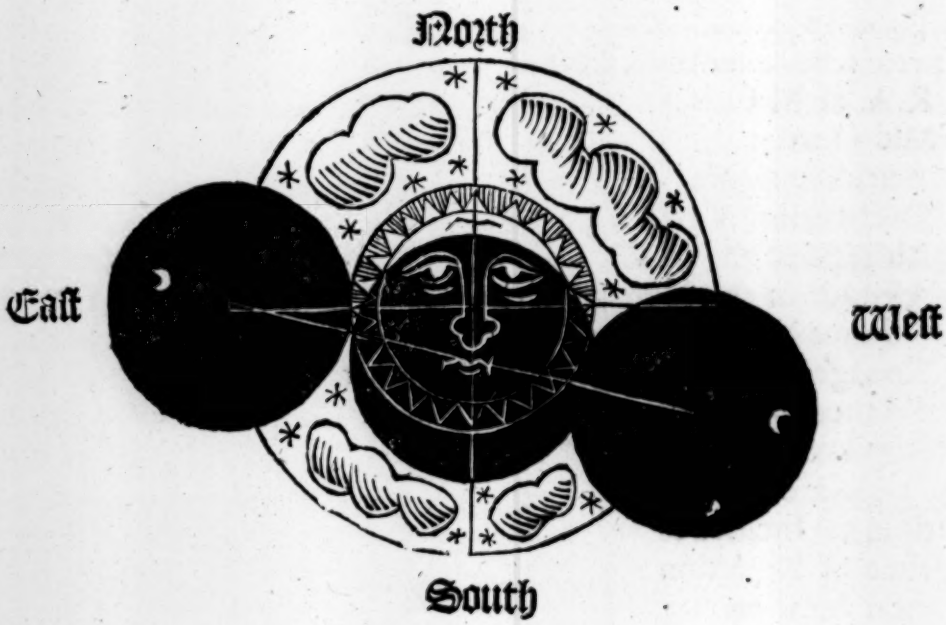
## HENCE

| | | H / // | |
|---|---|---|---|
| The | Beginning of the Eclipſe is | 20 9 41 | P. M. |
| | Middle or greateſt Obſcuration | 21 16 34 | |
| | Viſible Conjunction is | 21 17 49 | |
| | End, or full Recovery of Light | 22 25 24 | |

The

| | ′ | ″ | |
|---|---|---|---|
| The Moon's visible Latit. at the beginning | 13 | 46 | South |
| The Moon's visible Latitude at the End | 0 | 51 | North |

## *A Type of the foregoing Eclipse.*




The third is a visible Eclipse of the lesser Luminary the Moon, to be seen (if Clouds interpose not) *October* the tenth in the Evening, as the following Calculation directs.

| | S D☽ D H☍ | ′ | ″ |
|---|---|---|---|
| The middle time of the true *8 October* | 10 7 | 26 | 50 |
| The Sun's true Place | ♎ 27 | 55 | 6 |
| The Moon's Eccentrick Place | ♈ 27 | 55 | 6 |
| The Argument of the Moon's Latitude | 11 22 | 15 | 00 |
| The Latitude of the Moon So. descend | | 40 | 24 |
| The time of Reduction sub. | | 2 | 56 |
| The true *8* respecting the Ecliptick, *Oct.* | 10 7 | 23 | 54 |
| The Equation of time add | | 8 | 1 |

The

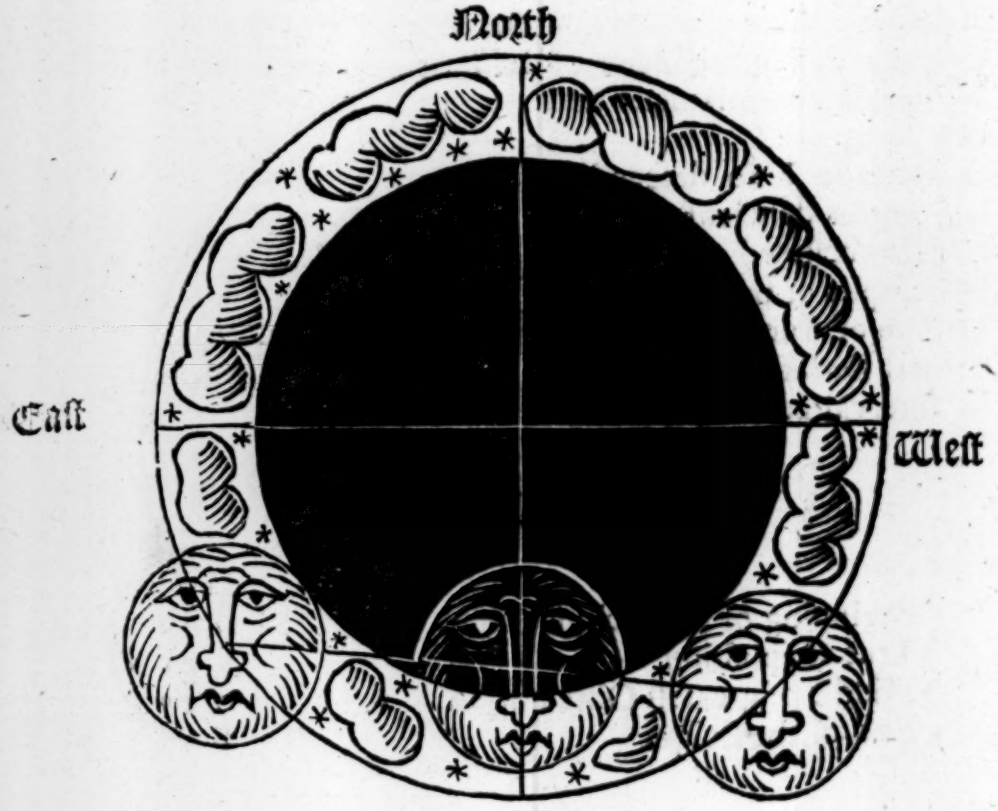
| | S D | D H | ′ | ″ |
|---|---|---|---|---|
| The apparent time of the true *8 Octob.* | 10 | 7 | 31 | 55 |
| The Sum of the Horozontal Parallaxes of ☉ and ☽ | | | 61 | 18 |
| The Semidiameter of the Sun ſubſtract | | | 16 | 21 |
| The apparent Semidiameter of the Earths Shadow | | | 44 | 57 |
| The Moon's Semidiameter add | | | 16 | 39 |
| Their Sum | | | 61 | 36 |
| The Latitude ☽ So. deſcending ſub. | | | 40 | 10 |
| The Scruples deficient | | | 21 | 26 |
| The digits eclipſed 7° 43′ 48″ | | 7 | 43 | 48 |
| The Scruples of Incidence | | | 46 | 43 |
| The time of Incidence | | 1 | 18 | 39 |
| The total Duration | | 2 | 37 | 18 |
| The Interval add | | | 5 | 46 |

## HENCE

| | | H | ′ | ″ | |
|---|---|---|---|---|---|
| The | Beginning of the Eclipſe | 6 | 19 | 2 | P.M. |
| | True Oppoſition | 7 | 31 | 55 | |
| | Middle or greateſt Obſcuration | 7 | 37 | 41 | |
| | End of the Eclipſe | 8 | 56 | 20 | |

*The*

*The Type of this Eclipse.*




The ☽'s Latitude at { the Beginning is 44 29 } So. descending
{ the End is 35 51 }

The Fourth is an Eclipse of the Sun *October* the 25 day, near 3 in the Afternoon; but by reason of the Moon's great South Latitude at the time thereof, the Sum whereof added to her Parallax of Latitude, which Total considerably exceeds the Sum of the Sun and Moon's Semidiameter, for which reason it will not be visible here, but will be conspicuous in the South and Southwest Parts of the World.

JA-

## The Diurnal Motion of the Planets.

| Days | ☉ | ♍ | ☽ | ♐ | Lat. | ☽ | ♄ | ♉ | ♃ | ♋ | ♂ | ♐ | ♀ | ♐ | ☿ | ♒ | ♌ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 21 | 59 | 22 | 41 | 2 S | 42 | 12 | 58 | 24 | 45 | 16 | 57 | 29 | 14 | 10 | 27 | 20 | 36 |
| 2 | 23 | 1 | 6 | ♍ 14 | 3 | 37 | 12 | 58 | 24 | 37 | 17 | 40 | 0 | ♍ 29 | 11 | 11 | 20 | 33 |
| 3 | 24 | 2 | 20 | 9 | 4 | 19 | 12 D | 58 | 24 | 29 | 18 | 23 | 1 | 44 | 11 | 43 | 20 | 30 |
| 4 | 25 | 3 | 4 | ♎ 22 | 4 | 48 | 12 | 58 | 24 | 21 | 19 | 6 | 2 | 59 | 12 | 4 | 20 | 27 |
| 5 | 26 | 4 | 18 | 46 | 5 | 4 | 12 | 58 | 24 | 13 | 19 | 49 | 4 | 14 | 12 | 14 | 20 | 24 |
| ☉ | 27 | 5 | 3 | ♓ 17 | 4 | 58 | 12 | 59 | 24 | 5 | 20 | 32 | 5 | 29 | 12 Rx | 13 | 20 | 21 |
| 7 | 28 | 6 | 17 | 48 | 4 | 30 | 12 | 59 | 23 | 57 | 21 | 15 | 6 | 44 | 12 | 2 | 20 | 18 |
| 8 | 29 | 7 | 2 | ♈ 13 | 3 | 51 | 13 | 0 | 23 | 49 | 21 | 59 | 7 | 59 | 11 | 39 | 20 | 15 |
| 9 | 0 | ♎ 8 | 16 | 32 | 2 | 54 | 13 | 0 | 23 | 42 | 22 | 42 | 9 | 14 | 11 | 5 | 20 | 11 |
| 10 | 1 | 8 | 0 | ♉ 0 | 1 | 47 | 13 | 1 | 23 | 34 | 23 | 25 | 10 | 29 | 10 | 18 | 20 | 8 |
| 11 | 2 | 9 | 14 | 23 | 0 | 32 | 13 | 2 | 23 | 27 | 24 | 8 | 11 | 44 | 9 | 19 | 20 | 5 |
| 12 | 3 | 10 | 28 | 5 | 0 | 44 | 13 | 3 | 23 | 19 | 24 | 52 | 13 | 0 | 8 | 20 | 20 | 2 |
| ☉ | 4 | 11 | 11 | ♊ 37 | 1 N | 53 | 13 | 4 | 23 | 11 | 25 | 35 | 14 | 15 | 7 | 13 | 19 | 59 |
| 14 | 5 | 12 | 24 | 57 | 2 | 56 | 13 | 5 | 23 | 4 | 26 | 18 | 15 | 30 | 6 | 0 | 19 | 56 |
| 15 | 6 | 13 | 8 | ♋ 11 | 3 | 48 | 13 | 7 | 22 | 56 | 27 | 1 | 16 | 45 | 4 | 44 | 19 | 53 |
| 16 | 7 | 14 | 21 | 5 | 4 | 24 | 13 | 8 | 22 | 49 | 27 | 45 | 18 | 0 | 3 | 28 | 19 | 49 |
| 17 | 8 | 15 | 3 | ♌ 52 | 4 | 49 | 13 | 10 | 22 | 41 | 28 | 28 | 19 | 15 | 2 | 14 | 19 | 46 |
| 18 | 9 | 16 | 16 | 24 | 5 | 0 | 13 | 11 | 22 | 34 | 29 | 11 | 20 | 31 | 1 | 5 | 19 | 43 |
| 19 | 10 | 17 | 28 | 48 | 5 | 0 | 13 | 13 | 22 | 26 | 29 | 55 | 21 | 46 | 0 | 4 | 19 | 40 |
| ☉ | 11 | 18 | 10 | ♍ 57 | 4 | 45 | 13 | 15 | 22 | 19 | 0 | ♍ 38 | 23 | 1 | 29 | ♍ 12 | 19 | 37 |
| 21 | 12 | 18 | 22 | 51 | 4 | 18 | 13 | 17 | 22 | 12 | 1 | 22 | 24 | 16 | 28 | 30 | 19 | 34 |
| 22 | 13 | 19 | 4 | ♎ 46 | 3 | 37 | 13 | 19 | 22 | 5 | 2 | 5 | 25 | 31 | 27 | 45 | 19 | 31 |
| 23 | 14 | 20 | 16 | 36 | 2 | 49 | 13 | 22 | 21 | 58 | 2 | 49 | 26 | 47 | 27 | 13 | 19 | 27 |
| 24 | 15 | 21 | 28 | 23 | 1 | 51 | 13 | 24 | 21 | 52 | 3 | 33 | 28 | 2 | 26 | 54 | 19 | 24 |
| 25 | 16 | 22 | 10 | ♏ 19 | 0 | 49 | 13 | 27 | 21 | 45 | 4 | 17 | 29 | 17 | 26 | 44 | 19 | 21 |
| 26 | 17 | 22 | 22 | 24 | 0 S | 17 | 13 | 29 | 21 | 39 | 5 | 1 | 0 | ♎ 32 | 26 | 40 | 19 | 18 |
| ☉ | 18 | 23 | 4 | ♐ 46 | 1 | 22 | 13 | 32 | 21 | 33 | 5 | 44 | 1 | 47 | 26 D | 48 | 19 | 15 |
| 28 | 19 | 24 | 17 | 28 | 2 | 24 | 13 | 34 | 21 | 27 | 6 | 28 | 3 | 3 | 27 | 3 | 19 | 12 |
| 29 | 20 | 25 | 0 | ♍ 36 | 3 | 23 | 13 | 37 | 21 | 21 | 7 | 12 | 4 | 18 | 27 | 24 | 19 | 9 |
| 30 | 21 | 26 | 14 | 12 | 4 | 11 | 13 | 39 | 21 | 15 | 7 | 56 | 5 | 33 | 27 | 51 | 19 | 5 |
| 31 | 22 | 26 | 28 | 13 | 4 | 23 | 13 | 42 | 21 | 9 | 8 | 40 | 6 | 48 | 28 | 23 | 19 | 2 |

### The Latitude of the Planets.

| ♄ | S | ♅ | N | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 20 | 0 | 29 | 0 | 10 | 0 | 28 | 0 | 5 | 1 |
| 2 | 19 | 0 | 30 | 0 | 13 | 0 | 15 | 1 N | 19 | 6 |
| 2 | 17 | 0 | 30 | 0 | 17 | 0 | 32 | 45 | | 11 |
| 2 | 16 | 0 | 31 | 0 | 21 | 0 S | 11 | 3 | 33 | 16 |
| 2 | 14 | 0 | 31 | 0 | 25 | 0 | 24 | 3 | 23 | 21 |
| 2 | 13 | 0 | 32 | 0 | 29 | 0 | 35 | 2 | 35 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Orien. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | *Circum.* | | | | | 12 ☌ 47 | | | 12 |
| 2 | b | Marcar. | | 11 △ 37 | | | | | | 13 |
| 3 | c | Enoch | 7 ☌ 1 | | 7 8 15 | | | | 8 ☉ ♃ | 14 |
| 4 | d | Teleſph. | | 14 □ 22 | *Occid.* | | | 12 ☌ 58 | | 15 |
| 5 | e | Simeon | | | | 1 ✶ 50 | | | * Pomahant | 16 |
| 6 | f | *Epiphany* | | 16 ✶ 4 | | | 4 ✶ 0 | | ☌ ☽, at | 17 |
| 7 | g | Juliana | 18 ✶ 40 | | 10 △ 96 | □ 2 | | | 18 ho. 00′ | 18 |
| 8 | A | Erhard | | | | | 10 □ 38 | 15 ✶ 22 | | 19 |
| 9 | b | Marcel | | | 12 □ 22 | 11 △ 27 | | | 5 day Antares | 20 |
| 10 | c | Nicanor | 1 □ 15 | 21 ☌ 40 | | | 18 △ 58 | 15 □ 38 | ☌ ♀, at | 21 |
| 11 | d | Hyginus | | | 15 ✶ 43 | | | | 6 ho. 43′ | 22 |
| 12 | e | Satyrius | 9 △ 45 | | | | | 16 △ 46 | △ ♄ ♀ | 23 |
| 13 | f | *Laſt. Ep.* | | | | | | | | 24 |
| 14 | g | Fælix | | | | 2 8 35 | | | ☌ ☉ ☿ | 25 |
| 15 | a | Maurit. | | 9 ✶ 10 | | | 17 8 37 | *Orien.* | * Sirius ☌ ☽, | 26 |
| 16 | b | Marcel. | | | 3 ☌ 14 | | | 11 8 15 | at 3 ho. 25′ | 27 |
| 17 | c | Antho. | 9 8 6 | 17 □ 49 | | | | | 18 day Cor Leonis | 28 |
| 18 | d | Priſca | | | | | | | ☌ ☽, at 18 ho. 5′ | 29 |
| 19 | e | Pontian | | | | 2 △ 20 | | | 8 ♃ ♀ | 30 |
| 20 | f | *Septuag.* | | 4 △ 38 | 22 ✶ 44 | | | | | 31 |
| 21 | g | Agneta | | | | 18 □ 16 | 3 △ 11 | 10 △ 55 | | *February* |
| 22 | a | Vincent | 18 △ 55 | | | | | | □ ♄ ☉ | |
| 23 | b | Emer. | | | 10 □ 49 | | 23 □ 20 | 21 □ 4 | * Swans mouth | |
| 24 | c | Timot. | | | | 11 ✶ 4 | | | * ☌ ♀, at 7 h. 41′ | |
| 25 | d | *Co. S.P.* | 13 ☐ 76 | 8 14 | 22 △ 30 | | | | * Proycon | 5 |
| 26 | e | Polycar. | | | | | 17 ✶ 32 | 8 ✶ 23 | ☌ ☽, at Noon | 6 |
| 27 | f | *Sexageſ.* | | | | | | | | 7 |
| 28 | g | Car. Ma. | 3 ✶ 50 | | | | | | | 8 |
| 29 | a | Valerius | | 22 △ 28 | | 12 ☌ 20 | | | * Shining Harp | 9 |
| 30 | b | *K. Ch M* | | | 11 8 58 | | | | ☌ ☽, at | 10 |
| 31 | c | Syriac. | | | | | 15 ☌ 40 | 0 ☌ 20 | 18 ho. 40′ | 11 |

| | D | ♄ | ♂ | ♃ | ♋ | ♂ | ♍ | ☉ | ♋ | ♀ | ♍ | ☿ | ♑ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 18 | 46 | 24 | 15 | 25 | 15 | 21 | 59 | 27 | 41 | 13 ♑ 20 | | 2 ☌ ♄ ♀. 3 ☌ ♃ ☉ |
| Heliocentrick places of the Planets. | 6 | 18 | 57 | 24 | 40 | 27 | 42 | 27 | 5 | 5 ♐ | 39 | 14 ♒ 15 | | 3 ✶ ♃ ☿. 3 8 ☌ ♀ |
| | 11 | 19 | 8 | 25 | 4 | 0 ♐ | 31 | 2 ♌ | 9 | 13 | 36 | 16 ♋ 16 | | 6 △ ☌ ☉. 12 ✶ ♄ ♀ |
| | 16 | 19 | 19 | 25 | 29 | 3 | 10 | 7 | 14 | 21 | 33 | 14 ♌ 39 | | 13 ☌ ♃ ♀. 17 □ ♄ ☿ |
| | 21 | 19 | 30 | 25 | 54 | 5 | 51 | 12 | 18 | 29 | 29 | 8 ♍ 58 | 20 ♐ | ☌ ♂ ♀. 23 △ ♄ ♀ |
| | 26 | 19 | 41 | 26 | 19 | 8 | 32 | 17 | 22 | 7 | 25 | 29 44 | 25 | ✶ ♃ ☿. 28 □ ♄ ☉ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ♒ | ☽ | ♒ | Lat. ☽ | | ♄ | ♉ | ♅ | ♋ | ♂ | ♍ | ♀ | ♒ | ☿ | ♍ | ☊ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 23 | 27 | 12 | 38 | 4 | S 59 | 13 | 45 | 21 | 3 | 9 | 23 | 8 | 3 | 28 | 23 | 18 | 55 |
| 2 | 24 | 27 | 27 | 20 | 4 | 57 | 13 | 48 | 20 | 57 | 10 | 7 | 9 | 18 | 28 | 59 | 18 | 56 |
| ☉ 3 | 25 | 28 | 12 | ♓ 14 | 4 | 37 | 13 | 52 | 20 | 52 | 10 | 51 | 10 | 33 | 29 | 38 | 18 | 52 |
| 4 | 26 | 28 | 27 | 13 | 3 | 59 | 13 | 55 | 20 | 46 | 11 | 35 | 11 | 48 | 0 | ♒ 21 | 18 | 49 |
| 5 | 27 | 29 | 12 | ♈ 12 | 3 | 3 | 13 | 59 | 20 | 41 | 12 | 19 | 13 | 3 | 1 | 8 | 18 | 46 |
| 6 | 28 | 29 | 26 | 38 | 1 | 56 | 14 | 2 | 20 | 35 | 13 | 3 | 14 | 18 | 1 | 59 | 18 | 42 |
| 7 | 29 | 30 | 10 | ♉ 56 | 0 | 43 | 14 | 6 | 20 | 30 | 13 | 47 | 15 | 33 | 2 | 53 | 18 | 39 |
| 8 | 0 | ♓ 30 | 24 | 52 | 0 | N 35 | 14 | 10 | 20 | 25 | 14 | 31 | 16 | 47 | 3 | 49 | 18 | 36 |
| ☉ 9 | 1 | 31 | 8 | ♊ 37 | 1 | 48 | 14 | 14 | 20 | 20 | 15 | 15 | 18 | 2 | 4 | 49 | 18 | 33 |
| 10 | 2 | 31 | 21 | 15 | 2 | 50 | 14 | 18 | 20 | 15 | 16 | 0 | 19 | 17 | 5 | 52 | 18 | 30 |
| 11 | 3 | 31 | 4 | ♋ 37 | 3 | 42 | 14 | 22 | 20 | 11 | 16 | 44 | 20 | 32 | 6 | 57 | 18 | 27 |
| 12 | 4 | 32 | 17 | 39 | 4 | 24 | 14 | 26 | 20 | 7 | 17 | 28 | 21 | 47 | 8 | 4 | 18 | 24 |
| 13 | 5 | 32 | 0 | ♌ 18 | 4 | 51 | 14 | 30 | 20 | 3 | 18 | 12 | 23 | 1 | 9 | 13 | 18 | 20 |
| 14 | 6 | 32 | 12 | 47 | 5 | 3 | 14 | 35 | 20 | 0 | 18 | 57 | 24 | 16 | 10 | 25 | 18 | 17 |
| 15 | 7 | 32 | 25 | 5 | 5 | 0 | 14 | 39 | 19 | 57 | 19 | 41 | 25 | 31 | 11 | 38 | 18 | 14 |
| 16 | 8 | 33 | 7 | ♍ 15 | 4 | 44 | 14 | 44 | 19 | 54 | 20 | 25 | 26 | 46 | 12 | 52 | 18 | 11 |
| ☉ 17 | 9 | 33 | 19 | 18 | 4 | 18 | 14 | 48 | 19 | 52 | 21 | 10 | 28 | 1 | 14 | 9 | 18 | 8 |
| 18 | 10 | 33 | 1 | ♎ 14 | 3 | 43 | 14 | 53 | 19 | 49 | 21 | 54 | 29 | 16 | 15 | 28 | 18 | 5 |
| 19 | 11 | 33 | 13 | 5 | 2 | 55 | 14 | 58 | 19 | 47 | 22 | 38 | 0 | ♓ 30 | 16 | 47 | 18 | 2 |
| 20 | 12 | 33 | 24 | 56 | 2 | 0 | 15 | 3 | 19 | 45 | 23 | 23 | 1 | 45 | 18 | 8 | 17 | 59 |
| 21 | 13 | 33 | 6 | ♏ 48 | 0 | 59 | 15 | 8 | 19 | 43 | 24 | 7 | 3 | 0 | 19 | 31 | 17 | 55 |
| 22 | 14 | 33 | 18 | 48 | 0 | S 4 | 15 | 13 | 19 | 41 | 24 | 52 | 4 | 15 | 20 | 55 | 17 | 52 |
| 23 | 15 | 33 | 0 | ♐ 57 | 1 | 12 | 15 | 18 | 19 | 39 | 25 | 36 | 5 | 30 | 22 | 20 | 17 | 49 |
| ☉ 24 | 16 | 33 | 13 | 14 | 2 | 16 | 15 | 23 | 19 | 37 | 26 | 21 | 6 | 45 | 23 | 47 | 17 | 46 |
| 25 | 17 | 33 | 25 | 55 | 3 | 14 | 15 | 28 | 19 | 35 | 27 | 5 | 8 | 0 | 25 | 16 | 17 | 42 |
| 26 | 18 | 32 | 8 | ♑ 58 | 4 | 4 | 15 | 33 | 19 | 33 | 27 | 50 | 9 | 14 | 26 | 47 | 17 | 39 |
| 27 | 19 | 32 | 22 | 35 | 4 | 42 | 15 | 39 | 19 | 31 | 28 | 34 | 10 | 29 | 28 | 18 | 17 | 36 |
| 28 | 20 | 32 | 6 | ♒ 29 | 5 | 2 | 15 | 44 | 19 | 30 | 29 | 19 | 11 | 44 | 29 | 49 | 17 | 33 |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | S | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 11 | 0 | 32 | 0 | 33 | 0 | 49 | 1 | 25 | 1 |
| 2 | 10 | 0 | 33 | 0 | 36 | 0 | 58 | 0 | 32 | 6 |
| 2 | 8 | 0 | 33 | 0 | 40 | 1 | 6 | 0 | S 21 | 11 |
| 2 | 7 | 0 | 33 | 0 | 44 | 1 | 13 | 1 | 3 | 16 |
| 2 | 6 | 0 | 34 | 0 | 48 | 1 | 18 | 1 | 36 | 21 |
| 2 | 5 | 0 | 34 | 0 | 52 | 1 | 22 | 1 | 59 | 26 |

## The Lunar Aſpects.

| Ju. A. | W. D. | Saints Days. | ☉ | ♄ Occid | ♃ Occid. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets Mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | Bridget | 17♂55 | 1 □50 | | | | | | 12 |
| 2 | ♇ | *Pu.V.M.* | | | | 21✶29 | | | | 13 |
| 3 | ♅ | *Quinqu.* | | 2 ✶36 | 13△55 | | | | *Shining Harp | 14 |
| 4 | ♆ | Veroni. | | | | | | 5 ✶18 | ☌☌, at 10 ho. 22′ | 15 |
| 5 | ♈ | Agatha. | | | 14□11 | 0 □14 | 1 ✶31 | | □♃♀ | 16 |
| 6 | ♉ | Doroth. | 3 ✶18 | | | | | 9 □35 | * Schedir ☌☽, at | 17 |
| 7 | ♊ | Zachar. | | 5 ☌30 | 4 ✶27 | 5 △ 7 | 8 □44 | | 11 ho. 57′ | 18 |
| 8 | ♋ | Corint. | 10□45 | | | | | 16△52 | △♄☌ | 19 |
| 9 | ♌ | Apollon. | | | | | 19△52 | | * Rigel ☌☾, | 20 |
| 10 | ♍ | *Quadr.* | 21△51 | | | | | | at 8 ho. 12′ | 21 |
| 11 | ♎ | Euphr. | | 18✶ 4 | | 23 8 38 | | | | 22 |
| 12 | ♏ | Euſtac. | | | 4 ☌40 | | | | | 23 |
| 13 | ♐ | Adelg. | | | | | | 18 8 57 | * So. Aſſellus | 24 |
| 14 | ♑ | Valent. | | 3 □32 | | | | | ☌☽, at 8 ho. 34′ | 25 |
| 15 | ♒ | Fauſtin | | | | | 0 8 54 | | 8 ♃☌ | 26 |
| 16 | ♓ | Juliana | ♃ 8-46 | 14△58 | | | | | | 27 |
| 17 | ♍ | 2 *Su. Le* | | | 1 ✶ 8 | 4 △ 1 | | | □♄♀ | 28 |
| 18 | ♎ | Concor | | | | | | | *Fomahant | |
| 19 | ♏ | Romin. | | | 13□32 | 20□38 | | 8 △27 | ☌♀, at | |
| 20 | ♐ | Mildre | | | | | 15△27 | | 7 ho. 8′ | |
| 21 | ♑ | Eſayas | 14△37 | 16 8 45 | | | | | * Lucida Corona | 4 |
| 22 | ♒ | Ciner. | | | 1 △46 | 12✶55 | | 4 □43 | ☌☽, at 2 ho. 34′ | 5 |
| 23 | ♓ | Seren. | | | | | 9 □53 | | ✶☉♄ | 6 |
| 24 | ♍ | *S. Matt.* | 6 □47 | | | | | 22✶42 | | 7 |
| 25 | ♎ | In. Pau | | | | | | | | 8 |
| 26 | ♏ | Simeon | 18✶10 | 11△43 | 18 8 38 | | 0 ✶32 | | * Shining Harp | 9 |
| 27 | ♐ | Neſtor | | | | 10☌56 | | | ☌♀, at 3 ho. 51′ | 10 |
| 28 | ♑ | Roman | | 16□37 | | | | | △☉♃ | 11 |

*March*

| | D | ♄ | ☿ | ♃ | ♋ | ♂ | ♐ | ☉ | ♌ | ♀ | ♍ | ☿ | ♎ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 19 | 54 | 26 | 48 | 11 | 50 | 23 | 27 | 16 | 55 | 21 | ♎13 | 3△♄♀. 3□♃♀ |
| | 6 | 20 | 5 | 27 | 12 | 14 | 37 | 28 | 29 | 24 | 50 | 7 | ♏ 4 | 8 8 ♄♀. 10 8 ♄☿ |
| | 11 | 20 | 16 | 27 | 36 | 17 | 24 | 3 | ♑31 | 2 | ♒45 | 21 | 43 | 13△♃♀. 18□☉☿ |
| | 16 | 20 | 27 | 28 | 1 | 20 | 11 | 8 | 33 | 10 | 40 | 5 | ♐40 | 18✶♀♀. 23□♄♀ |
| | 21 | 20 | 38 | 28 | 25 | 23 | 2 | 13 | 33 | 18 | 35 | 19 | 21 | 25✶☌♀. |
| | 26 | 20 | 49 | 28 | 49 | 25 | 47 | 18 | 32 | 26 | 30 | 3 | ♍29 | 28△♄☉ |

MARCH

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. | ☽ | ♄ | ♅ | ♃ | ♂ | ♎ | ♀ | ♓ | ☿ | ♓ | ☊ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | |
| 1 | 21 31 | 20 58 | 5 S | 5 | 15 50 | 19 29 | 0 4 | 12 59 | 1 21 | 17 29 | | | | | |
| 2 | 22 31 | 5 ♓ 49 | 4 | 49 | 15 56 | 19 29 | 0 48 | 14 14 | 2 54 | 17 26 | | | | | |
| 3 | 23 31 | 20 53 | 4 | 11 | 16 2 | 19 28 | 1 33 | 15 29 | 4 29 | 17 23 | | | | | |
| 4 | 24 30 | 6 ♈ 53 | 3 | 18 | 16 8 | 19 28 | 2 17 | 16 43 | 6 7 | 17 20 | | | | | |
| 5 | 25 30 | 21 18 | 2 | 14 | 16 14 | 19 D 28 | 3 2 | 17 58 | 7 46 | 17 17 | | | | | |
| 6 | 26 30 | 6 ♉ 7 | 1 | 0 | 16 20 | 19 28 | 3 46 | 19 13 | 9 28 | 17 14 | | | | | |
| 7 | 27 29 | 20 44 | 0 N | 17 | 16 26 | 19 29 | 4 31 | 20 27 | 11 10 | 17 11 | | | | | |
| 8 | 28 29 | 4 ♊ 51 | 1 | 30 | 16 32 | 19 29 | 5 15 | 21 42 | 12 53 | 17 8 | | | | | |
| 9 | 29 28 | 18 35 | 2 | 39 | 16 38 | 19 30 | 6 0 | 22 56 | 14 37 | 17 4 | | | | | |
| ☉ | 0 ♈ 27 | 1 ♋ 57 | 3 | 44 | 16 44 | 19 31 | 6 44 | 24 11 | 16 21 | 17 1 | | | | | |
| 11 | 1 27 | 14 50 | 4 | 27 | 16 50 | 19 33 | 7 29 | 25 25 | 18 6 | 16 58 | | | | | |
| 12 | 2 26 | 27 28 | 4 | 54 | 16 57 | 19 34 | 8 14 | 26 40 | 19 53 | 16 55 | | | | | |
| 13 | 3 25 | 9 ♌ 52 | 5 | 8 | 17 3 | 19 36 | 8 58 | 27 54 | 21 42 | 16 52 | | | | | |
| 14 | 4 25 | 22 7 | 5 | 7 | 17 10 | 19 38 | 9 43 | 29 9 | 23 32 | 16 49 | | | | | |
| 15 | 5 24 | 4 ♍ 14 | 4 | 51 | 17 16 | 19 40 | 10 28 | 0 ♈ 23 | 25 23 | 16 46 | | | | | |
| 16 | 6 23 | 16 14 | 4 | 25 | 17 23 | 19 43 | 11 12 | 1 38 | 27 15 | 16 42 | | | | | |
| ☉ | 7 22 | 28 10 | 3 | 45 | 17 29 | 19 45 | 11 57 | 2 52 | 29 9 | 16 39 | | | | | |
| 18 | 8 22 | 10 ♎ 2 | 2 | 58 | 17 36 | 19 47 | 12 42 | 4 7 | 1 ♈ 4 | 16 36 | | | | | |
| 19 | 9 21 | 21 54 | 2 | 8 | 17 42 | 19 50 | 13 27 | 5 21 | 3 0 | 16 33 | | | | | |
| 20 | 10 20 | 3 ♏ 48 | 1 | 8 | 17 49 | 19 52 | 14 12 | 6 36 | 4 57 | 16 30 | | | | | |
| 21 | 11 19 | 15 48 | 0 | 3 | 17 55 | 19 55 | 14 57 | 7 50 | 6 56 | 16 27 | | | | | |
| 22 | 12 18 | 27 52 | 1 S | 1 | 18 2 | 19 58 | 15 42 | 9 5 | 8 57 | 16 23 | | | | | |
| 23 | 13 17 | 10 ♐ 7 | 2 | 4 | 18 8 | 20 1 | 16 27 | 10 19 | 10 59 | 16 20 | | | | | |
| ☉ | 14 16 | 22 30 | 2 | 58 | 18 15 | 20 5 | 17 12 | 11 34 | 13 2 | 16 17 | | | | | |
| 25 | 15 15 | 5 ♑ 1 | 3 | 51 | 18 21 | 20 9 | 17 57 | 12 48 | 15 6 | 16 14 | | | | | |
| 26 | 16 14 | 17 59 | 4 | 40 | 18 28 | 20 13 | 18 42 | 14 3 | 17 12 | 16 11 | | | | | |
| 27 | 17 12 | 0 ♒ 27 | 5 | 0 | 18 34 | 20 17 | 19 28 | 15 17 | 19 19 | 16 7 | | | | | |
| 28 | 18 11 | 15 16 | 5 | 10 | 18 41 | 20 21 | 20 13 | 16 31 | 21 27 | 16 4 | | | | | |
| 29 | 19 10 | 29 34 | 5 | 1 | 18 48 | 20 25 | 20 58 | 17 46 | 23 34 | 16 0 | | | | | |
| 30 | 20 9 | 14 ♓ 17 | 4 | 32 | 18 55 | 20 30 | 21 43 | 19 0 | 25 41 | 15 57 | | | | | |
| ☉ | 21 8 | 29 21 | 3 | 42 | 19 2 | 20 34 | 22 28 | 20 14 | 27 46 | 15 54 | | | | | |

**The Latitude of the Planets.**

| ♄ | S | ♃ | N | ♂ | S | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 4 | 0 | 34 | 0 | 56 | 1 | 25 | 2 | 6 | 1 |
| 2 | 3 | 0 | 34 | 1 | 0 | 1 | 26 | 2 | 15 | 6 |
| 2 | 2 | 0 | 34 | 1 | 4 | 1 | 26 | 2 | 13 | 11 |
| 2 | 1 | 0 | 34 | 1 | 8 | 1 | 25 | 1 | 55 | 16 |
| 2 | 0 | 0 | 34 | 1 | 12 | 1 | 22 | 1 | 25 | 21 |
| 1 | 59 | 0 | 34 | 1 | 16 | 1 | 18 | 0 | 43 | 26 |

## The Lunar Aſpects.

| Ju.A | W.D | Saints Days | ☉ | ♄ Occid. | ♅ Occid. | ♂ Orien. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | DavidB. | | | | | | 18 ☌ 45 | * Fomahant | 12 |
| 2 | ☉ | Cedd.B. | | 16 ✶ 13 | 21 △ 46 | | 14 ☌ 34 | | ☌ ☽, at 14 ho. 00′ | 13 |
| 3 | ☽ | *M.L.Su.* | 4 ☌ 26 | | | 17 ✶ 21 | | | ✶ ♄ ♀ | 14 |
| 4 | ♂ | Adrian | | | 21 □ 7 | | | | | 15 |
| 5 | ☿ | Phocas | | | | 19 □ 51 | | | | 16 |
| 6 | ♃ | Frodel. | | 16 ☌ 55 | 21 ✶ 57 | | 23 ✶ 43 | 4 ✶ 14 | △ ♅ ♀ | 17 |
| 7 | ♀ | Perpet. | 12 ✶ 21 | | | | | | * Merchab ☌ ♀, | 18 |
| 8 | ♄ | Cypria. | | | | ☌ △ 47 | | 16 □ 4 | at 3 ho. 15′ | 19 |
| 9 | ☉ | Pruden. | 21 □ 5 | | | | 8 □ 36 | | | 20 |
| 10 | ☽ | 5 *S Lent* | | | | | | | ✶ ♄ ♀ | 21 |
| 11 | ♂ | Oſwin | | 3 ✶ 50 | 9 ☌ ☌ | | 22 △ 16 | 7 △ 14 | | 22 |
| 12 | ☿ | Grego. | 10 △ 26 | | | 22 8 12 | | | △ ♅ ☿ | 23 |
| 13 | ♃ | Euphra. | | 14 □ 13 | | | | | | 24 |
| 14 | ♀ | Eutych. | | | | | | | * Lion's Heart | 25 |
| 15 | ♄ | Longin. | | | | | | | ☌ ☽, at | 26 |
| 16 | ☉ | Heribe. | | 2 △ 20 | 7 ✶ 2 | | | | 7 ho. 14′ | 27 |
| 17 | ☽ | *Pal. Su.* | 20 8 17 | | | | 10 8 46 | 2 8 22 | | 28 |
| 18 | ♂ | Edw.R. | | | 19 □ 47 | 5 △ 45 | | | * Virgins Spick | 29 |
| 19 | ☿ | Joſeph | | | | | | | ☌ ☽, at | 30 |
| 20 | ♃ | Cuthb. | | | | 22 □ 18 | | | 19 ho. 22′ | 31 |
| 21 | ♀ | Bened. | | 4 8 15 | 8 △ 14 | | | | | *April* |
| 22 | ♄ | Aphro. | | | | | | | ☌ ♀ ☿ | |
| 23 | ☉ | Victor. | 6 △ 38 | | | 13 ✶ 4 | 0 △ 16 | 1 △ 50 | | |
| 24 | ☽ | *Eaſt.Da* | | | | | | | | |
| 25 | ♂ | *An. B.V.* | 20 □ 29 | | | | 15 □ 56 | 22 □ 16 | ☌ ☉ ♀. □ ♄ ☌ | 5 |
| 26 | ☿ | Caſſulus | | 0 △ 58 | 4 8 19 | | | *Occid.* | | 6 |
| 27 | ♃ | Jo. Ere. | | | | | | | □ ♅ ♀. ✶ ☌ ☿ | 7 |
| 28 | ♀ | Gideon | 5 ✶ 13 | 5 □ 43 | | 8 ☌ 45 | 2 ✶ 19 | 12 ✶ 12 | | 8 |
| 29 | ♄ | Euſtach | | | | | | | | 9 |
| 30 | ☉ | Guido | | 7 ✶ 26 | 9 △ 56 | | | | □ ☉ ♅ | 10 |
| 31 | ☽ | *L Sund* | | | | | | | □ ♅ ♀ | 11 |

| | D | ♄ | ☌ | ♅ | ♋ | ♂ | ♐ | ☉ | ♍ | ♀ | ♓ | ☿ | ♌ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 20 | 57 | 29 | 3 | 27 | 36 | 21 | 31 | 1 | 16 | 11 | ♌ 54 | 3 △ ♄ ♀. 7 □ ♅ ♀ |
| | 6 | 21 | 8 | 29 | 28 | 0 | ♌ 30 | 26 | 30 | 9 | 12 | 27 | 7 | 10 □ ♅ ☉. 13 □ ♄ ☿ |
| | 11 | 21 | 19 | 29 | 52 | 3 | 25 | 1 | ♎ 27 | 17 | 8 | 13 | ♒ 50 | 13 ✶ ♄ ♀. 16 ✶ ☌ ☉ |
| | 16 | 21 | 30 | 0 | ♋ 16 | 6 | 20 | 6 | 23 | 25 | 52 | ♓ | 42 | 17 ✶ ☌ ♀. 19 △ ♅ ♀ |
| | 21 | 21 | 41 | 0 | 40 | 9 | 16 | 11 | 19 | 3 | ♈ 14 | 29 | | 20 ✶ ♄ ☿. 22 △ ♅ ♀ |
| | 26 | 21 | 52 | 1 | 5 | 12 | 12 | 26 | 14 | 11 | 22 | ♈ | 9 | 26 □ ☌ ♀. 27 △ ☌ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ ♈ | ☽ ♈ | Lat. ☽ | ♄ ♉ | ♃ ♋ | ♂ ♒ | ♀ ♈ | ☿ ♈ | ☊ ♉ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 22 6 | 14 33 | 2 S 37 | 19 9 | 20 39 | 23 13 | 21 28 | 29 50 | 15 51 |
| 2 | 23 5 | 29 45 | 1 24 | 19 17 | 20 44 | 23 58 | 22 43 | 1 ♉ 54 | 15 47 |
| 3 | 24 4 | 14 ♉ 40 | 0 5 | 19 24 | 20 50 | 24 43 | 23 57 | 3 57 | 15 44 |
| 4 | 25 3 | 29 20 | 1 N 10 | 19 32 | 20 56 | 25 28 | 25 11 | 5 59 | 15 41 |
| 5 | 26 2 | 13 ♊ 43 | 2 24 | 19 39 | 21 1 | 26 12 | 26 26 | 8 1 | 15 38 |
| 6 | 27 0 | 27 42 | 3 25 | 19 47 | 21 7 | 26 57 | 27 40 | 10 2 | 15 35 |
| ☉ | 27 58 | 11 ♋ 7 | 4 19 | 19 54 | 21 13 | 27 42 | 28 54 | 11 59 | 15 31 |
| 8 | 28 57 | 24 6 | 4 55 | 20 2 | 21 19 | 28 27 | 0 ♉ 8 | 13 54 | 15 28 |
| 9 | 29 55 | 6 ♌ 44 | 5 13 | 20 9 | 21 25 | 29 12 | 1 23 | 15 45 | 15 25 |
| 10 | 0 ♉ 53 | 19 35 | 5 10 | 20 17 | 21 31 | 29 56 | 2 37 | 17 31 | 15 22 |
| 11 | 1 52 | 1 ♍ 9 | 4 58 | 20 25 | 21 37 | 0 ♓ 41 | 3 51 | 19 11 | 15 19 |
| 12 | 2 50 | 13 44 | 4 33 | 20 32 | 21 44 | 1 26 | 5 5 | 20 47 | 15 16 |
| 13 | 3 49 | 25 8 | 3 56 | 20 40 | 21 50 | 2 11 | 6 19 | 22 20 | 15 13 |
| ☉ | 4 47 | 6 ♎ 59 | 3 8 | 20 47 | 21 57 | 2 56 | 7 34 | 23 50 | 15 10 |
| 15 | 5 45 | 18 46 | 2 14 | 20 55 | 22 3 | 3 41 | 8 48 | 25 17 | 15 6 |
| 16 | 6 43 | 0 ♏ 40 | 1 14 | 21 3 | 22 10 | 4 25 | 10 2 | 26 40 | 15 3 |
| 17 | 7 41 | 12 40 | 0 12 | 21 11 | 22 17 | 5 10 | 11 16 | 27 58 | 15 0 |
| 18 | 8 39 | 24 45 | 0 S 51 | 21 18 | 22 24 | 5 55 | 12 30 | 29 12 | 14 57 |
| 19 | 9 37 | 7 ♐ 0 | 1 54 | 21 26 | 22 31 | 6 40 | 13 44 | 0 ♊ 22 | 14 54 |
| 20 | 10 35 | 19 19 | 2 54 | 21 34 | 22 38 | 7 25 | 14 58 | 1 28 | 14 51 |
| ☉ | 11 33 | 1 ♑ 51 | 3 46 | 21 42 | 22 46 | 8 10 | 16 12 | 2 29 | 14 48 |
| 22 | 12 31 | 14 34 | 4 29 | 21 49 | 22 54 | 8 55 | 17 26 | 3 25 | 14 44 |
| 23 | 13 29 | 27 40 | 5 0 | 21 57 | 23 2 | 9 39 | 18 40 | 4 16 | 14 41 |
| 24 | 14 27 | 11 ♒ 0 | 5 16 | 22 5 | 23 10 | 10 24 | 19 54 | 5 1 | 14 38 |
| 25 | 15 25 | 24 39 | 5 6 | 22 12 | 23 19 | 11 9 | 21 8 | 5 41 | 14 35 |
| 26 | 16 23 | 8 ♓ 42 | 4 46 | 22 20 | 23 28 | 11 53 | 22 21 | 6 16 | 14 32 |
| 27 | 17 21 | 23 44 | 4 2 | 22 28 | 23 36 | 12 38 | 23 35 | 6 47 | 14 29 |
| ☉ | 18 19 | 7 ♈ 48 | 3 7 | 22 35 | 23 45 | 13 23 | 24 49 | 7 14 | 14 25 |
| 29 | 19 16 | 22 45 | 1 55 | 22 43 | 23 54 | 14 7 | 26 3 | 7 35 | 14 22 |
| 30 | 20 14 | 7 ♉ 44 | 0 40 | 22 51 | 23 3 | 14 52 | 27 17 | 7 52 | 14 19 |

## The Latitude of the Planets.

| ♄ S | ♃ N | ♂ S | ♀ S | ☿ N | Days. |
|---|---|---|---|---|---|
| 1 58 | 0 34 | 1 20 | 1 9 | 0 18 | 1 |
| 1 57 | 0 34 | 1 24 | 1 1 | 1 13 | 6 |
| 1 57 | 0 34 | 1 28 | 0 52 | 1 58 | 11 |
| 1 56 | 0 34 | 1 32 | 0 42 | 2 26 | 16 |
| 1 56 | 0 34 | 1 36 | 0 32 | 2 34 | 21 |
| 1 55 | 0 34 | 1 40 | 0 23 | 2 18 | 26 |

## The Lunar Aſpects.

| Ja.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♅ Occid. | ♂ Orien. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♐ | Theod. | 12 ♂ 44 | | 9 □ 42 | 14 ✶ 14 | 11 ♂ 52 | | | 12 |
| 2 | a | Ma. Eg. | | | | | | 4 ♂ 1 | * Schedir ♂ ☿, at | 13 |
| 3 | b | Ulpian | | 7 ♂ 50 | 10 ✶ 11 | 17 □ 19 | | | 22 ho. 42′ | 14 |
| 4 | c | Ambro. | | | | | | | ♂ ☉ ♀. ✶ ♂ ♀ | 15 |
| 5 | d | Vince. | 22 ✶ 34 | | | 22 △ 30 | Occid. | | ✶ ☉ ♂ | 16 |
| 6 | e | Sixtus | | | | | ○ ♂ ○ | | * Mid. * Ori. Belt. | 17 |
| 7 | ♐ | 2 p. Ea. | | 16 ✶ 22 | 18 ♂ 51 | | | 1 ✶ 44 | ♂ ☽, at | 18 |
| 8 | ♑ | Dionyſ. | 10 □ ○ | | | | 12 □ 42 | | 9 ho. 38′ | 19 |
| 9 | a | Vincent | | | | | | 20 □ 28 | 10 day Schedir | 20 |
| 10 | b | Ezekiel | | 2 □ 28 | | 20 8 47 | | | ♂ ☿, at 21 h. 43′ | 21 |
| 11 | c | Leo Pa. | 1 △ 24 | | | | 5 △ 4 | | ♂ ♄ ☿ | 22 |
| 12 | d | Julius | | 14 △ 56 | 17 ✶ 20 | | | 17 △ 38 | ✶ ♅ ☿ | 23 |
| 13 | e | Juſtinus | | | | | | | 12 day Proycon | 24 |
| 14 | ♐ | 3 p. Ea. | | | | | | | ♂ ☿, at | 25 |
| 15 | ♑ | Perpet. | | | 6 ♑ 40 | | | | 4 ho. 00′ | 26 |
| 16 | a | Cariſius | 13 8 1 | | | 7 △ 56 | 20 8 52 | | ☽ eclipſed viſible | 27 |
| 17 | b | Anicet. | | 17 8 2 | 19 △ 14 | | | | | 28 |
| 18 | c | Valeria. | | | | 23 □ 20 | | 9 8 40 | | 29 |
| 19 | d | Timon | | | | | | | * Head of Hercules | 30 |
| 20 | e | Sulpit. | | | | | | | ♂ ☽, at 9 ho. 40′ | |
| 21 | ♐ | 4 p. Eaſt | 19 △ 50 | | | 12 ✶ 40 | | | * Shining Harp | |
| 22 | ♑ | Q. intin | | 13 △ 25 | 15 8 26 | | 5 △ 48 | | ♂ ☽, at | May |
| 23 | a | S. GEO. | | | | | | 12 △ 36 | 17 ho. 34′ | |
| 24 | b | Albert. | 6 □ 30 | 19 □ 39 | | | 17 □ 15 | | | 5 |
| 25 | c | S. Mark | | | | | | 19 □ 26 | | 6 |
| 26 | d | Cletus | 13 ✶ 46 | 22 ✶ 54 | ♑ | 5 ♂ 35 | | | ♂ ♄ ☿ | 7 |
| 27 | e | Anaſt. | | | 1 △ ○ | | 1 ✶ ○ | 22 ✶ 52 | ✶ ♅ ☿ | 8 |
| 28 | ♐ | Ro. Su. | | | | | | | | 9 |
| 29 | ♑ | P. de Mi. | | | 1 □ 52 | | | | | 10 |
| 30 | a | Eutrop. | 21 ♂ 31 | | | 12 ✶ 4 | | | ☉ eclipſ. viſible | 11 |

| | D | ♄ | ♉ | ♅ | ♌ | ♂ | ♍ | ☉ | ♎ | ☿ | ♈ | ☿ | ♉ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 22 | 5 | 1 | 34 | 15 | 52 | 22 | 6 | 20 | 36 | 25 ♉ | 57 | 2 ✶ ♅ ☿. 8 □ ♅ ☿ |
| | 6 | 22 | 16 | 1 | 58 | 18 | 54 | 27 | 0 | 28 | 36 | 27 ♊ | 50 | 9 8 ♂ ☿. 10 ✶ ♄ ☿ ☿ |
| | 11 | 22 | 27 | 2 | 22 | 21 | 56 | 1 | ♏ 52 | 6 | ♉ 37 | 28 ♋ | 14 | 12 △ ♄ ♂. 12 ♂ ♅ ☿ |
| | 16 | 22 | 38 | 2 | 46 | 25 | 0 | 6 | 43 | 14 | 39 | 25 ♌ | 1 | 12 ✶ ♅ . 15 □ ♄ ☿ |
| | 21 | 22 | 49 | 3 | 10 | 28 | 4 | 11 | 33 | 22 | 41 | 17 ♍ | 48 | 21 ♂ ♄ ☿. 22 △ ♄ ☿ ☿ |
| | 26 | 23 | 0 | 3 | 34 | 1 | ♒ 10 | 16 | 23 | 0 | ♊ 45 | 7 ♎ | 22 | 25 ✶ ♅ ☿. 27 ✶ ♅ ☿ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☌ | ☽ | ☌ | Lat. | ☽ | ♄ | ♌ | ♃ | ♋ | ♂ | ♓ | ♀ | ♉ | ☿ | ♊ | ☊ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 21 | 12 | 22 | 42 | 0 N | 44 | 22 | 59 | 24 | 12 | 15 | 36 | 28 | 31 | 8 | 4 | 14 | 16 |
| 2 | 22 | 10 | 7 | ♊29 | 2 | 0 | 23 | 6 | 24 | 22 | 16 | 21 | 29 | 45 | 8 | 12 | 14 | 12 |
| 3 | 23 | 7 | 21 | 58 | 3 | 7 | 23 | 14 | 24 | 31 | 17 | 5 | 0 | ♊58 | 8 | 15 | 14 | 9 |
| 4 | 24 | 5 | 5 | ♋56 | 4 | 0 | 23 | 22 | 24 | 41 | 17 | 50 | 2 | 12 | 8 Rx | 12 | 14 | 6 |
| ☉ | 25 | 2 | 19 | 33 | 4 | 42 | 23 | 29 | 24 | 50 | 18 | 34 | 3 | 26 | 8 | 4 | 14 | 3 |
| 6 | 26 | 0 | 2 | ♌40 | 5 | 5 | 23 | 37 | 24 | 59 | 19 | 19 | 4 | 40 | 7 | 50 | 13 | 0 |
| 7 | 26 | 58 | 15 | 24 | 5 | 14 | 23 | 45 | 25 | 9 | 20 | 3 | 5 | 53 | 7 | 33 | 13 | 56 |
| 8 | 27 | 55 | 27 | 42 | 5 | 6 | 23 | 52 | 25 | 18 | 20 | 48 | 7 | 7 | 7 | 13 | 13 | 53 |
| 9 | 28 | 53 | 9 | ♍49 | 4 | 44 | 24 | 0 | 25 | 28 | 21 | 32 | 8 | 21 | 6 | 49 | 13 | 50 |
| 10 | 29 | 51 | 21 | 44 | 4 | 5 | 24 | 8 | 25 | 37 | 22 | 17 | 9 | 34 | 6 | 22 | 13 | 47 |
| 11 | 0 | ♊49 | 3 | ♎35 | 3 | 20 | 24 | 16 | 25 | 47 | 23 | 1 | 10 | 48 | 5 | 51 | 13 | 44 |
| ☉ | 1 | 46 | 15 | 24 | 2 | 26 | 24 | 23 | 25 | 57 | 23 | 45 | 12 | 1 | 5 | 21 | 13 | 41 |
| 13 | 2 | 44 | 27 | 15 | 1 | 26 | 24 | 31 | 26 | 7 | 24 | 29 | 13 | 15 | 4 | 49 | 13 | 37 |
| 14 | 3 | 41 | 9 | ♏14 | 0 | 22 | 24 | 39 | 26 | 18 | 25 | 13 | 14 | 28 | 4 | 16 | 13 | 34 |
| 15 | 4 | 39 | 21 | 22 | 0 S | 41 | 24 | 46 | 26 | 28 | 25 | 58 | 15 | 42 | 3 | 42 | 13 | 31 |
| 16 | 5 | 36 | 3 | ♐40 | 1 | 43 | 24 | 54 | 26 | 39 | 26 | 42 | 16 | 55 | 3 | 9 | 13 | 28 |
| 17 | 6 | 33 | 16 | 9 | 2 | 24 | 25 | 2 | 26 | 49 | 27 | 26 | 18 | 9 | 2 | 38 | 13 | 25 |
| 18 | 7 | 31 | 28 | 50 | 3 | 36 | 25 | 9 | 27 | 0 | 28 | 10 | 19 | 22 | 2 | 8 | 13 | 22 |
| ☉ | 8 | 29 | 11 | ♑43 | 4 | 19 | 25 | 17 | 27 | 10 | 28 | 54 | 20 | 36 | 1 | 39 | 13 | 19 |
| 20 | 9 | 26 | 24 | 45 | 4 | 52 | 25 | 25 | 27 | 21 | 29 | 38 | 21 | 49 | 1 | 12 | 13 | 15 |
| 21 | 10 | 24 | 7 | ♒58 | 5 | 8 | 25 | 33 | 27 | 32 | 0 | ♈22 | 23 | 3 | 0 | 48 | 13 | 12 |
| 22 | 11 | 22 | 21 | 24 | 5 | 9 | 25 | 40 | 27 | 42 | 1 | 6 | 24 | 16 | 0 | 26 | 13 | 9 |
| 23 | 12 | 19 | 5 | ♓34 | 4 | 53 | 25 | 48 | 27 | 53 | 1 | 49 | 25 | 30 | 0 | 7 | 13 | 6 |
| 24 | 13 | 16 | 18 | 57 | 4 | 16 | 25 | 56 | 28 | 3 | 2 | 33 | 26 | 43 | 29 | ♉53 | 13 | 3 |
| 25 | 14 | 13 | 3 | ♈43 | 3 | 23 | 26 | 3 | 28 | 14 | 3 | 16 | 27 | 57 | 29 | 45 | 13 | 0 |
| ☉ | 15 | 11 | 17 | 26 | 2 | 16 | 26 | 11 | 28 | 25 | 4 | 0 | 29 | 10 | 29 | 42 | 12 | 56 |
| 27 | 16 | 8 | 2 | ♉21 | 1 | 0 | 26 | 19 | 28 | 36 | 4 | 43 | 0 | ♋23 | 29 D | 42 | 12 | 53 |
| 28 | 17 | 5 | 16 | 44 | 0 N | 20 | 26 | 26 | 28 | 47 | 5 | 26 | 1 | 37 | 29 | 45 | 12 | 50 |
| 29 | 18 | 2 | 1 | ♊21 | 1 | 36 | 26 | 34 | 28 | 58 | 6 | 10 | 2 | 50 | 29 | 53 | 12 | 47 |
| 30 | 18 | 59 | 15 | 53 | 2 | 43 | 26 | 42 | 29 | 9 | 6 | 53 | 4 | 4 | 0 | ♊6 | 12 | 44 |
| 31 | 19 | 57 | 0 | ♋12 | 3 | 41 | 26 | 49 | 29 | 20 | 7 | 36 | 5 | 17 | 0 | 24 | 12 | 40 |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | S | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55 | 0 | 34 | 1 | 43 | 0 | 8 | 1 | 35 | 1 |
| 1 | 55 | 0 | 34 | 1 | 46 | 0 N | 6 | 0 | 28 | 6 |
| 1 | 55 | 0 | 35 | 1 | 49 | 0 | 19 | 0 S | 55 | 11 |
| 1 | 54 | 0 | 35 | 1 | 52 | 0 | 30 | 2 | 19 | 16 |
| 1 | 54 | 0 | 35 | 1 | 55 | 0 | 39 | 3 | 24 | 21 |
| 1 | 54 | 0 | 35 | 1 | 57 | 0 | 48 | 4 | 0 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets Mutual Aſpects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | b | Ph.& Ja | | ☌ 30 | ✶ 31 | | 10 ☌ 13 | | * Pleiades ☌ ☽, | 12 |
| 2 | c | Aſc.Day | | | | 15 □ 25 | | 1 ☌ 11 | at 5 ho. 10′ | 13 |
| 3 | d | Inv.Cr. | | | | | | | ☌ ☉ ♄ | 14 |
| 4 | e | Florian | | Orien. | | 22 △ 8 | | | ✶ ☉ ♃ | 15 |
| 5 | f | 6p.Eaſt | 10 ✶ 36 | 7 ✶ 0 | 9 ☌ 47 | | | | | 16 |
| 6 | g | Jo.P. L | | | | | 4 ✶ 12 | 9 ✶ 22 | * Aldebaran | 17 |
| 7 | a | Juvenal | | 16 □ 29 | | | | | ☌ ♀, at 19 ho. 24′ | 18 |
| 8 | b | Staniſla. | 1 □ 36 | | | | 20 □ 43 | 18 □ 16 | | 19 |
| 9 | c | Ephin. | | | | | | | | 20 |
| 10 | d | Gordi. | 17 △ 56 | 4 △ 54 | 7 ✶ 21 | 1 8 8 | | | 12 day Rigel | 21 |
| 11 | e | Mamert | | | | | 16 △ 11 | 4 △ 25 | ☌ ♀, at 13 ho. 56′ | 22 |
| 12 | f | Wh. Sun. | | | 21 □ 42 | | | | | 23 |
| 13 | g | Servat. | | | | | | | ✶ ♄ ☌ | 24 |
| 14 | a | Bonif. | | | | | | | ☌ ☉ ♀ | 25 |
| 15 | b | Sophia | | 6 8 48 | 10 △ 12 | 9 △ 32 | | Orien. | | 26 |
| 16 | c | Perigr. | 4 8 0 | | | | | 0 8 0 | △ ♃ ☌ | 27 |
| 17 | d | Torpet. | | | | 22 □ 40 | 4 8 11 | | | 28 |
| 18 | e | Venant. | | | | | | | * Mid. * Ori. Belt. | 29 |
| 19 | f | Tr. Sun. | | | | | | | ☌ ♀, at Noon | 30 |
| 20 | g | Dunſtan | | 1 △ 18 | 4 8 48 | 9 ✶ 22 | | 11 △ 21 | | 31 |
| 21 | a | Helena | 4 △ 38 | | | | | | | |
| 22 | b | Hoſpit. | | 7 □ 35 | | | 5 △ 31 | 15 □ 32 | | June |
| 23 | c | Deſid. | 13 □ 27 | | | | | | * Pleiades ☌ ♄, | |
| 24 | d | Eſther | | 12 ✶ 0 | 15 △ 40 | | 14 □ 25 | 16 ✶ 30 | at 9 ho. 00′ | |
| 25 | e | Urban | 19 ✶ 37 | | | 0 ☌ 24 | | | * Head Andromeda | 5 |
| 26 | f | 1 p.Tri. | | | 18 □ 16 | | 20 ✶ 4 | | ☌ ☽, at | 6 |
| 27 | g | Beda V. | | | | | | | 11 ho. 58′ | 7 |
| 28 | a | Germa. | | 16 ☌ 4 | 20 ✶ 3 | | | 21 ☌ 39 | | 8 |
| 29 | b | K.C. Na | | | | 8 ✶ 16 | | | * Aldebaran | 9 |
| 30 | c | Wigand | 5 ☌ 34 | | | | | | ☌ ☽, at | 10 |
| 31 | d | Petron. | | | | 13 □ 29 | ☌ 35 | | 7 ho. 05′ | 11 |

| | D | ♄ | ♉ | ♃ | ♌ | ♂ | ♒ | ☉ | ♍ | ♀ | ♊ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 23 | 11 | 3 | 58 | 4 | 15 | 21 | 12 | 8 | 48 | 24 | ♎ 37 | 3 8 ♄ ☉. 4 □ ♃ ♀ |
| | 6 | 23 | 22 | 4 | 22 | 7 | 23 | 26 | 0 | 16 | 52 | 10 | ♍ 10 | 5 □ ☌ ♀. 10 8 ♄ ♀ |
| | 11 | 23 | 33 | 4 | 47 | 10 | 31 | 0 | ♐ 49 | 24 | 57 | 24 | 39 | 15 ☌ ☉ ♀. 15 △ ♃ ♀ |
| | 16 | 23 | 44 | 5 | 11 | 13 | 39 | 5 | 36 | 3 | ♋ 3 | 8 | ♐ 30 | 16 △ ♃ ☉. 17 ✶ ☌ ♀ |
| | 21 | 23 | 55 | 5 | 36 | 16 | 47 | 10 | 24 | 11 | 9 | 22 | 11 | 20 △ ☉ ♀ |
| | 26 | 24 | 6 | 6 | 0 | 19 | 55 | 15 | 11 | 19 | 15 | 6 | ♑ 12 | |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. ☽ | ♄ | ♅ | ♃ | ♂ | ♈ | ♀ | ♑ | ☿ | ♍ | ♌ | ♅ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 20 54 | 14 9♑ | 4 N | 27 26 | 57 | 29 31 | 8 19 | 6 30 | 0 47 | 12 37 | | | | |
| ☉ | 21 51 | 27 44 | 4 | 57 27 | 4 | 29 43 | 9 2 | 7 43 | 1 15 | 12 34 | | | | |
| 3 | 22 48 | 10♌50 | 5 | 9 27 | 12 | 29 55 | 9 45 | 8 57 | 1 48 | 12 31 | | | | |
| 4 | 23 46 | 23 33 | 5 | 4 27 | 19 | 0♌ 7 | 10 27 | 10 10 | 2 25 | 12 27 | | | | |
| 5 | 24 43 | 5 ♍56 | 4 | 47 27 | 27 | 0 19 | 11 10 | 11 23 | 3 6 | 12 24 | | | | |
| 6 | 25 40 | 18 24 | 4 | 13 27 | 34 | 0 32 | 11 53 | 12 36 | 3 51 | 12 21 | | | | |
| 7 | 26 37 | 29 57 | 3 | 30 27 | 41 | 0 44 | 12 35 | 13 50 | 4 39 | 12 18 | | | | |
| 8 | 27 34 | 11♎45 | 2 | 37 27 | 48 | 0 57 | 13 18 | 15 3 | 5 30 | 12 15 | | | | |
| ☉ | 28 31 | 23 32 | 1 | 40 27 | 55 | 1 9 | 14 0 | 16 16 | 6 25 | 12 12 | | | | |
| 10 | 29 28 | 5 ♏23 | 0 | 38 28 | 2 | 1 22 | 14 43 | 17 30 | 7 23 | 12 9 | | | | |
| 11 | 0♎25 | 17 24 | 0 S | 28 28 | 9 | 1 34 | 15 25 | 18 43 | 8 23 | 12 6 | | | | |
| 12 | 1 23 | 29 39 | 1 | 32 28 | 16 | 1 47 | 16 7 | 19 56 | 9 27 | 12 2 | | | | |
| 13 | 2 20 | 12♐ 8 | 2 | 32 28 | 23 | 1 59 | 16 50 | 21 9 | 10 36 | 11 54 | | | | |
| 14 | 3 17 | 24 51 | 3 | 25 28 | 30 | 2 11 | 17 32 | 22 23 | 11 50 | 11 56 | | | | |
| 15 | 4 14 | 7 ♑48 | 4 | 9 28 | 37 | 2 24 | 18 14 | 23 36 | 13 11 | 11 53 | | | | |
| ☉ | 5 11 | 21 8 | 4 | 43 28 | 43 | 2 36 | 18 56 | 24 49 | 14 38 | 11 49 | | | | |
| 17 | 6 9 | 4 ♒34 | 5 | 2 28 | 50 | 2 49 | 19 37 | 26 2 | 16 8 | 11 46 | | | | |
| 18 | 7 6 | 18 10 | 5 | 5 28 | 56 | 3 1 | 20 19 | 27 15 | 17 41 | 11 43 | | | | |
| 19 | 8 3 | 1 ♓52 | 4 | 49 29 | 3 | 3 14 | 21 0 | 28 29 | 19 15 | 11 40 | | | | |
| 20 | 9 0 | 15 41 | 4 | 19 29 | 9 | 3 26 | 21 41 | 29 42 | 20 50 | 11 36 | | | | |
| 21 | 9 57 | 29 38 | 3 | 29 29 | 16 | 3 39 | 22 22 | 0♌55 | 22 26 | 11 33 | | | | |
| 22 | 10 54 | 13♈43 | 2 | 28 29 | 22 | 3 51 | 23 3 | 2 8 | 24 8 | 11 30 | | | | |
| ☉ | 11 52 | 27 52 | 1 | 14 29 | 29 | 4 4 | 23 44 | 3 21 | 25 56 | 11 27 | | | | |
| 24 | 12 49 | 12♉ 4 | 0 N | 3 29 | 35 | 4 16 | 24 25 | 4 34 | 27 46 | 11 24 | | | | |
| 25 | 13 46 | 26 18 | 1 | 22 29 | 42 | 4 29 | 25 6 | 5 47 | 29 39 | 11 21 | | | | |
| 26 | 14 43 | 10♊32 | 2 | 29 29 | 48 | 4 42 | 25 47 | 7 0 | 1♍34 | 11 18 | | | | |
| 27 | 15 40 | 24 42 | 3 | 29 29 | 55 | 4 54 | 26 27 | 8 13 | 3 32 | 11 14 | | | | |
| 28 | 16 37 | 8 ♋39 | 4 | 14 0♊ | 1 | 5 7 | 27 8 | 9 26 | 5 32 | 11 11 | | | | |
| 29 | 17 34 | 22 15 | 4 | 44 0 | 7 | 5 20 | 27 48 | 10 38 | 7 35 | 11 8 | | | | |
| ☉ | 18 32 | 5 ♌40 | 5 | 2 0 | 13 | 5 23 | 28 28 | 11 51 | 9 40 | 11 5 | | | | |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | S | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54 | 0 | 35 | 1 | 59 | 1 | 24 | 4 | 1 | |
| 1 | 54 | 0 | 35 | 2 | 0 | 1 | 123 | 40 | 6 | |
| 1 | 54 | 0 | 35 | 2 | 1 | 1 | 202 | 58 | 11 | |
| 1 | 54 | 0 | 35 | 2 | 2 | 1 | 272 | 5 | 16 | |
| 1 | 55 | 0 | 35 | 2 | 2 | 1 | 311 | 4 | 21 | |
| 1 | 55 | 0 | 35 | 2 | 3 | 1 | 320 | 3 | 26 | |

## The Lunar Aſpects.

| Ju. A. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid. | ♂ Orien. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | R. ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | e | Pamph. | | 22 ✶ 40 | | | | | 3 day Head of | 12 |
| 2 | f | 2 p. Tri. | | | 3 ☌ 41 | 22 △ 35 | | 6 ✶ 34 | Andromeda ☌ ♂, | 13 |
| 3 | g | Eraſm. | | | | | | | at 16 h. 34′ | 14 |
| 4 | a | Petroc. | ☉ ✶ 24 | 7 □ 22 | | | | 18 □ 12 | □ ☌ ♀ | 15 |
| 5 | b | Bonif. | | | | | 12 ✶ ☉ | | | 16 |
| 6 | c | Artem. | 16 □ 40 | 19 △ 23 | | | | | 8 day Aldebaran | 17 |
| 7 | d | Paulus | | | 1 ✶ 35 | | | 10 △ 19 | ☌ ♀, at | 18 |
| 8 | e | Medar. | | | | 3 8 20 | 7 □ 30 | | 3 ho. 56′ | 19 |
| 9 | f | 3 p. Tri. | 10 △ 57 | | 15 □ 43 | | | | | 20 |
| 10 | g | Getuli. | | | | | | | | 21 |
| 11 | a | S. Barn. | | 21 8 30 | | | 19 △ 54 | | * Pollux ☌ ♀, | 22 |
| 12 | b | Baſiliſt. | | | 4 △ 10 | | | 20 8 48 | at 8 h. 38′ | 23 |
| 13 | c | Cyrillus | | | | 9 △ 24 | | | * Proycon | 24 |
| 14 | d | Valerius | 17 8 4 | | | | | | ☌ ♀, at | 25 |
| 15 | e | Vitus | | | | 19 □ 34 | | | 11 ho. 40′ | 26 |
| 16 | f | 4 p. Tri | | 13 △ 34 | 21 8 1 | | 7 8 15 | | | 27 |
| 17 | g | Botolph | | | | | | 23 △ ☉ | | 28 |
| 18 | a | Marcus | | 19 □ ☉ | | 3 ✶ 59 | | | * Fomahant ☌ ☽, | 29 |
| 19 | b | Gervaſe | 11 △ 32 | | | | | | at 20 ho. 6′ | 30 |
| 20 | c | Regina | | 23 ✶ 16 | | | | 10 □ 1 | ✶ ♄ ♀ | 1 |
| 21 | d | Walb. | 17 □ ☉ | | 6 △ 56 | | 2 △ 24 | | ✶ ☌ ♀ | July |
| 22 | e | Alban | | | | 16 ☌ 38 | | 20 ✶ 48 | | |
| 23 | f | 5 p. Tri. | | | 10 □ 38 | | 10 □ 8 | | | |
| 24 | g | S. J. Ba | 1 ✶ 16 | | | | | | ☌ ♃ ♀ | 5 |
| 25 | a | Amand. | | 5 ☌ 47 | 14 ✶ 2 | | 17 ✶ 30 | | * Aldebaran | 6 |
| 26 | b | Jeremi. | | | | | | | ☌ ☽, at | 7 |
| 27 | c | Sep. Do. | | | | 2 ✶ 10 | | 17 ☌ 40 | 15 ho 47′ | 8 |
| 28 | d | Leo Pa. | 15 ☌ 6 | | | | | | ✶ ♃ ♀ | 9 |
| 29 | e | SP & Pa. | | 12 ✶ 14 | 23 ☌ 46 | 10 □ 37 | | | | 10 |
| 30 | f | 6 p. Tr. | | | | | 12 ☌ ☉ | | | 11 |

| | D | ♄ | ♅ | ♃ | ♂ | ☉ | ♀ | ☿ | ♀ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 24 20 | 6 27 | 23 45 | 20 54 | 28 58 | 24 ♍ 5 | | | 1 △ ♄ ♀. 2 □ ♄ ☌ |
| | 6 | 24 31 | 6 51 | 26 55 | 25 40 | 7 ♌ 4 | 10 ♒ 27 | | | 4 8 ♃ ♀. 6 ☌ ♃ ♀ |
| | 11 | 24 42 | 7 15 | 0 ♓ 5 | 0 ♍ 25 | 15 10 | 28 51 | | | 9 □ ♄ ♀. 10 ✶ ♂ ☉ |
| | 16 | 24 53 | 7 39 | 3 15 | 5 11 | 23 16 | 19 ♓ 59 | | | 12 ☌ ☌ ♀. 16 □ ♄ ♀ |
| | 21 | 25 4 | 8 3 | 6 25 | 9 57 | 1 ♑ 23 | 14 ♈ 50 | | | 18 ✶ ♄ ♀. 19 △ ♃ ♀ |
| | 26 | 25 15 | 8 27 | 9 35 | 14 43 | 9 29 | 13 ♉ 42 | | | 25 ✶ ♂ ♀. 26 8 ☌ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☋ | ☽ | ☊ | Lat. | ☽ | ♄ | ♅ | ♃ | ☊ | ♂ | ♈ | ♀ | ☊ | ☿ | ☋ | ☊ | ♂ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 29 | 18 | 48 | 5 N | 30 | 19 | 5 | 46 | 29 | 8 | 13 | 4 | 11 | 47 | 11 | 2 |
| 2 | 20 | 26 | 1 | ♍29 | 4 | 48 | 0 | 25 | 5 | 59 | 29 | 47 | 14 | 17 | 13 | 56 | 10 | 59 |
| 3 | 21 | 23 | 13 | 53 | 4 | 19 | 0 | 31 | 5 | 12 | 0 | ♉26 | 15 | 30 | 16 | 5 | 10 | 55 |
| 4 | 22 | 21 | 26 | 43 | 4 | 0 | 0 | 37 | 5 | 24 | 1 | 5 | 16 | 42 | 18 | 14 | 10 | 52 |
| 5 | 23 | 18 | 7 | ♎59 | 2 | 50 | 0 | 43 | 6 | 37 | 1 | 44 | 17 | 55 | 20 | 21 | 10 | 49 |
| 6 | 24 | 15 | 19 | 49 | 1 | 51 | 0 | 48 | 6 | 50 | 2 | 23 | 19 | 8 | 22 | 27 | 10 | 46 |
| ☉ | 25 | 12 | 1 | ♏34 | 0 | 50 | 0 | 54 | 7 | 3 | 3 | 1 | 20 | 21 | 24 | 34 | 10 | 43 |
| 8 | 26 | 9 | 13 | 25 | 0 S | 16 | 0 | 59 | 7 | 16 | 3 | 40 | 21 | 34 | 26 | 41 | 10 | 40 |
| 9 | 27 | ♉ | 25 | 26 | 1 | 19 | 1 | 5 | 7 | 29 | 4 | 18 | 22 | 47 | 28 | 47 | 10 | 37 |
| 10 | 28 | 47 | ♐ | 40 | 2 | 20 | 1 | 11 | 7 | 42 | 4 | 56 | 23 | 59 | 0 | ♌52 | 10 | 33 |
| 11 | 29 | 1 | 20 | 14 | 3 | 16 | 1 | 16 | 7 | 56 | 5 | 43 | 25 | 12 | 2 | 56 | 10 | 30 |
| 12 | 29 | 58 | 3 | ♑9 | 4 | 3 | 1 | 21 | 8 | 9 | 6 | 21 | 26 | 24 | 4 | 59 | 10 | 27 |
| 13 | 0 | ♌56 | 16 | 23 | 4 | 37 | 1 | 26 | 8 | 22 | 6 | 59 | 27 | 37 | 7 | 1 | 10 | 24 |
| ☉ | 1 | 53 | 29 | 56 | 4 | 55 | 1 | 31 | 8 | 35 | 7 | 37 | 28 | 49 | 9 | 2 | 10 | 21 |
| 15 | 2 | 50 | 13 | ♒44 | 5 | 2 | 1 | 36 | 8 | 49 | 8 | 15 | 0 | ♍2 | 11 | 0 | 10 | 17 |
| 16 | 3 | 48 | 27 | 51 | 4 | 50 | 1 | 41 | 9 | 2 | 8 | 52 | 1 | 14 | 12 | 56 | 10 | 14 |
| 17 | 4 | 45 | 12 | ♓2 | 4 | 23 | 1 | 46 | 9 | 15 | 9 | 30 | 2 | 27 | 14 | 51 | 10 | 11 |
| 18 | 5 | 43 | 26 | 14 | 3 | 34 | 1 | 51 | 9 | 28 | 10 | 8 | 3 | 39 | 16 | 44 | 10 | 7 |
| 19 | 6 | 40 | 10 | ♈29 | 2 | 34 | 1 | 55 | 9 | 41 | 10 | 45 | 4 | 52 | 18 | 36 | 10 | 4 |
| 20 | 7 | 38 | 24 | 39 | 1 | 21 | 1 | 0 | 9 | 55 | 11 | 23 | 6 | 4 | 20 | 26 | 10 | 1 |
| ☉ | 8 | 35 | 8 | ♉44 | 0 | 6 | 2 | 5 | 10 | 8 | 12 | 0 | 7 | 17 | 22 | 14 | 9 | 58 |
| 22 | 9 | 33 | 22 | 42 | 1 N | 10 | 2 | 9 | 10 | 21 | 12 | 37 | 8 | 29 | 24 | 1 | 9 | 55 |
| 23 | 10 | 30 | 6 | ♊35 | 2 | 17 | 2 | 14 | 10 | 34 | 13 | 14 | 9 | 41 | 25 | 47 | 9 | 52 |
| 24 | 11 | 28 | 20 | 25 | 3 | 20 | 2 | 18 | 10 | 47 | 13 | 50 | 10 | 54 | 27 | 32 | 9 | 49 |
| 25 | 12 | 25 | 4 | ♋7 | 4 | 9 | 2 | 22 | 11 | 0 | 14 | 26 | 12 | 6 | 29 | 15 | 9 | 45 |
| 26 | 13 | 23 | 17 | 35 | 4 | 43 | 2 | 26 | 11 | 14 | 15 | 2 | 13 | 18 | 0 | ♍56 | 9 | 42 |
| 27 | 14 | 20 | 0 | ♌54 | 4 | 59 | 2 | 30 | 11 | 27 | 15 | 38 | 14 | 31 | 2 | 36 | 9 | 39 |
| ☉ | 15 | 17 | 14 | 0 | 5 | 2 | 2 | 34 | 11 | 40 | 16 | 14 | 15 | 43 | 4 | 15 | 9 | 36 |
| 29 | 16 | 15 | 26 | 51 | 4 | 57 | 2 | 38 | 11 | 53 | 16 | 49 | 16 | 55 | 5 | 53 | 9 | 32 |
| 30 | 17 | 13 | 9 | ♍30 | 4 | 25 | 2 | 41 | 12 | 6 | 17 | 24 | 18 | 8 | 7 | 29 | 9 | 29 |
| 31 | 18 | 10 | 21 | 52 | 3 | 44 | 2 | 45 | 12 | 19 | 17 | 59 | 19 | 20 | 9 | 3 | 9 | 26 |

## The Latitude of the Planets.

| ♄ | S | ♅ | N | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55 | 0 | 36 | 2 | 31 | 1 | 36 | 0 | 54 | 1 |
| 1 | 56 | 0 | 36 | 2 | 31 | 1 | 35 | 1 | 26 | 6 |
| 1 | 56 | 0 | 36 | 2 | 21 | 1 | 34 | 1 | 43 | 11 |
| 1 | 57 | 0 | 37 | 2 | 11 | 1 | 30 | 1 | 44 | 16 |
| 1 | 58 | 0 | 37 | 2 | 0 | 1 | 24 | 1 | 29 | 21 |
| 1 | 59 | 0 | 38 | 1 | 59 | 1 | 15 | 1 | 4 | 26 |

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## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid | ♂ Orien. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Tr. Sir. | | 21 □ 46 | | 20 △ 40 | | | | 12 |
| 2 | a | Viſ. Ma. | | | | | | | | 13 |
| 3 | b | Cornel. | 16 ✶ 3 | | | | | 5 ✶ 15 | * Tail of ☋ | 14 |
| 4 | c | Ulricus | | ☽ △ 12 | 20 ✶ 41 | | | | ☌ ☽, at 7 ho. 14′ | 15 |
| 5 | d | Anſelm. | | | | | 1 ✶ 18 | | * Proycon ☌ ♀ | 16 |
| 6 | e | Tranqu. | 9 □ 57 | | | | | 6 □ 38 | at 16 ho. 00′ | 17 |
| 7 | f | 7 p. Tri. | | | 11 □ 6 | 3 8 7 | | | ☌ ☉ ☿ | 18 |
| 8 | g | Grimb. | | | | | 19 □ 7 | Occid. | | 19 |
| 9 | | Cyr. Ep. | 3 △ 31 | 11 8 18 | | | | 7 △ 54 | | 20 |
| 10 | b | 7 Frat. | | | 0 △ 4 | | | | ✶ ♄ ☿ | 21 |
| 11 | c | Bened. | | | | | 10 △ 20 | | | 22 |
| 12 | d | Nab. &c. | | | | 19 △ 12 | | | □ ☌ ♀ | 23 |
| 13 | e | Henric. | | | | | | | ☌ ♃ ♀ | 24 |
| 14 | f | 8 p. Tri. | 3 8 36 | 2 △ 47 | 15 8 6 | 14 □ 2 | | 18 8 12 | ✶ ☉ ♄ | 25 |
| 15 | g | Swithin | | | | | | | | 26 |
| 16 | a | Kenel. | | 6 □ 25 | | 19 ✶ 32 | 6 8 17 | | □ ♄ ♀ | 27 |
| 17 | b | Hilarius | | | | | | | □ ♃ ☌ | 28 |
| 18 | c | Alexius | 17 △ 59 | ✶ 33 | 22 △ 38 | | | | * Head Andromed. | 29 |
| 19 | d | Matern. | | | | | | 16 △ 14 | ☌ ☌, at 3 h. 47′ | 30 |
| 20 | e | Margar. | 23 □ 40 | | | | 21 △ 17 | | | 31 |
| 21 | f | 9 p. Tri. | | | 2 □ 25 | 5 ☌ 53 | | | 22 day Pleiades | August |
| 22 | g | M. Mag. | | 16 ☌ 25 | | | | 2 □ 38 | ☌ ☽, at 5 ho. 27′ | |
| 23 | a | Apoll. | 7 ✶ 16 | | 6 ✶ 54 | | 6 □ 10 | | ☌ ♃ ☉ | |
| 24 | b | Chriſti. | | | Orien. | | | 14 ✶ 14 | | |
| 25 | c | S. James | | | | 19 ✶ 15 | 15 ✶ 57 | | * Sirius ☌ ☽, at | 5 |
| 26 | d | Anna | | | | | | | 10 ho. 32′ | 6 |
| 27 | e | Martha | | 2 ✶ 57 | 19 ☌ 38 | | | | | 7 |
| 28 | f | 10 p. Tri. | 2 ☌ 33 | | | 4 □ 28 | | | | 8 |
| 29 | g | Fæl &c. | | 11 □ 0 | | | | 19 ☌ 35 | △ ☌ ♀. Tail ☋ | 9 |
| 30 | a | Abdon | | | | 16 △ 4 | 17 ☌ 23 | | ☌ ♀, at 11 ho. 40′ | 10 |
| 31 | b | Germ. | | | | | | | | 11 |

| | D | ♄ | ♉ | ♃ | ☋ | ♂ | ♈ | ☉ | ♍ | ♀ | ♏ | ☿ | ♊ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 25 | 2 | 8 | 50 | 12 | 45 | 19 | 29 | 17 | 33 | 15 | ♊ 16 | 2 □ ♀ ☿. 5 △ ☌ ♀ |
| | 6 | 25 | 38 | 9 | 14 | 15 | 54 | 24 | 15 | 25 | 37 | 16 | ♋ 36 | 5 △ ☉ ♀. 6 △ ♄ ♀ |
| | 11 | 25 | 49 | 9 | 38 | 19 | 3 | 29 | 1 | 3 | ♎ 41 | 14 | ☋ 58 | 8 △ ♄ ☉. 8 ✶ ♄ ☿ |
| | 16 | 26 | 0 | 10 | 2 | 22 | 11 | 3 | ♎ 48 | 11 | 44 | 9 | ♍ 15 | 8 8 ☉ ♀. 14 □ ♄ ♀ |
| | 21 | 26 | 11 | 10 | 26 | 25 | 18 | 8 | 35 | 19 | 47 | 29 | 58 | 19 8 ☌ ♀. 20 △ ♄ ♀ |
| | 26 | 26 | 22 | 10 | 50 | 28 | 24 | 13 | 23 | 27 | 49 | 18 | ♎ 3 | 22 ✶ ♄ ☌. 24 △ ☉ ☿ |

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## The Diurnal Motion of the Planets.

| Days. | ☉ | ☋ | ☽ | ♎ | Lat. ☽ | ♄ | ♅ | ♃ | ♌ | ♂ | ♉ | ♀ | ♍ | ☿ | ♍ | ☊ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 8 | 4 | ♎ 0 | 2 N | 58 | 2 | 49 | 12 | 32 | 18 | 33 | 20 | 32 | 10 | 35 | 9 | 23 |
| 2 | 20 | 5 | 15 | 56 | 2 | 2 | 2 | 52 | 12 | 45 | 19 | 8 | 21 | 44 | 12 | 6 | 9 | 19 |
| 3 | 21 | 3 | 27 | 46 | 1 | 1 | 2 | 56 | 12 | 59 | 19 | 42 | 22 | 56 | 13 | 36 | 9 | 16 |
| ☽ | 22 | 1 | 9 | ♏ 34 | 0 | 3 | 2 | 59 | 13 | 12 | 20 | 16 | 24 | 8 | 15 | 4 | 9 | 13 |
| 5 | 22 | 58 | 21 | 23 | 1 | 6 | 3 | 2 | 13 | 25 | 20 | 49 | 25 | 20 | 16 | 31 | 9 | 10 |
| 6 | 23 | 56 | 3 | ♐ 19 | 2 | 7 | 3 | 5 | 13 | 38 | 21 | 23 | 26 | 32 | 17 | 56 | 9 | 7 |
| 7 | 24 | 54 | 15 | 37 | 3 | 4 | 3 | 8 | 13 | 51 | 21 | 56 | 27 | 45 | 19 | 20 | 9 | 4 |
| 8 | 25 | 52 | 28 | 10 | 3 | 55 | 3 | 11 | 14 | 4 | 22 | 29 | 28 | 57 | 20 | 42 | 9 | 1 |
| 9 | 26 | 50 | 11 | ♑ 5 | 4 | 32 | 3 | 14 | 14 | 17 | 23 | 1 | 0 | ♎ 9 | 22 | 28 | 8 | 58 |
| 10 | 27 | 48 | 24 | 24 | 4 | 56 | 3 | 17 | 14 | 30 | 23 | 33 | 1 | 21 | 23 | 21 | 8 | 54 |
| ☉ | 28 | 46 | 8 | ♒ 0 | 5 | 4 | 3 | 20 | 14 | 43 | 24 | 5 | 2 | 33 | 24 | 38 | 8 | 51 |
| 12 | 29 | 44 | 22 | 17 | 4 | 54 | 3 | 22 | 14 | 56 | 24 | 36 | 3 | 45 | 25 | 53 | 8 | 48 |
| 13 | 0 | ♍ 42 | 6 | ♓ 41 | 4 | 24 | 3 | 24 | 15 | 9 | 25 | 8 | 4 | 56 | 27 | 6 | 8 | 45 |
| 14 | 1 | 40 | 21 | 17 | 3 | 44 | 3 | 26 | 15 | 22 | 25 | 39 | 6 | 8 | 28 | 17 | 8 | 42 |
| 15 | 2 | 38 | 6 | ♈ 4 | 2 | 44 | 3 | 28 | 15 | 35 | 26 | 10 | 7 | 20 | 29 | 26 | 8 | 38 |
| 16 | 3 | 36 | 20 | 44 | 1 | 35 | 3 | 30 | 15 | 48 | 26 | 40 | 8 | 32 | 0 | ♎ 32 | 8 | 35 |
| 17 | 4 | 34 | 5 | ♉ 17 | 0 | 18 | 3 | 31 | 16 | 1 | 27 | 10 | 9 | 43 | 1 | 36 | 8 | 32 |
| ☉ | 5 | 32 | 19 | 35 | 0 N | 59 | 3 | 33 | 16 | 14 | 27 | 39 | 10 | 55 | 2 | 38 | 8 | 28 |
| 19 | 6 | 30 | 3 | ♊ 37 | 2 | 14 | 3 | 35 | 16 | 27 | 28 | 9 | 12 | 7 | 3 | 38 | 8 | 25 |
| 20 | 7 | 28 | 17 | 26 | 3 | 16 | 3 | 36 | 16 | 40 | 28 | 38 | 13 | 18 | 4 | 35 | 8 | 22 |
| 21 | 8 | 26 | 0 | ♋ 57 | 4 | 7 | 3 | 37 | 16 | 52 | 29 | 7 | 14 | 30 | 5 | 28 | 8 | 19 |
| 22 | 9 | 24 | 14 | 15 | 4 | 44 | 3 | 39 | 17 | 5 | 29 | 35 | 15 | 41 | 6 | 18 | 8 | 16 |
| 23 | 10 | 22 | 27 | 25 | 5 | 23 | 3 | 40 | 17 | 17 | 0 | 3 | 16 | 53 | 7 | 4 | 8 | 13 |
| 24 | 11 | 20 | 10 | ♌ 17 | 5 | 5 | 3 | 41 | 17 | 30 | 0 | 30 | 18 | 4 | 7 | 47 | 8 | 10 |
| ☉ | 12 | 19 | 23 | 1 | 4 | 54 | 3 | 43 | 17 | 43 | 0 | 57 | 19 | 15 | 8 | 28 | 8 | 6 |
| 26 | 13 | 17 | 5 | ♍ 35 | 4 | 27 | 3 | 44 | 17 | 55 | 1 | 23 | 20 | 27 | 9 | 5 | 8 | 3 |
| 27 | 14 | 15 | 17 | 57 | 3 | 49 | 3 | 45 | 18 | 8 | 1 | 49 | 21 | 38 | 9 | 37 | 8 | 0 |
| 28 | 15 | 14 | 0 | ♎ 9 | 3 | 4 | 3 | 47 | 18 | 20 | 2 | 15 | 22 | 49 | 10 | 47 | 57 | |
| 29 | 16 | 12 | 12 | 12 | 2 | 12 | 3 | 48 | 18 | 33 | 2 | 40 | 24 | 0 | 10 | 26 | 7 | 54 |
| 30 | 17 | 11 | 24 | 7 | 1 | 12 | 3 | 49 | 18 | 45 | 3 | 5 | 25 | 12 | 10 | 44 | 7 | 51 |
| 31 | 18 | 9 | 5 | ♏ 58 | 0 | 10 | 3 | 54 | 18 | 57 | 3 | 29 | 26 | 23 | 10 | 58 | 7 | 48 |

### The Latitude of the Planets.

| ♄ | S | ♅ | N | ♂ | S | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 39 | 1 | 57 | 1 | 50 | 21 | | 1 |
| 2 | 1 | 0 | 39 | 1 | 55 | 0 | 54 | 0 S | 19 | 6 |
| 2 | 2 | 0 | 40 | 1 | 52 | 0 | 41 | 1 | 4 | 11 |
| 2 | 3 | 0 | 40 | 1 | 48 | 0 | 27 | 1 | 50 | 16 |
| 2 | 4 | 0 | 41 | 1 | 43 | 0 | 11 | 2 | 35 | 21 |
| 2 | 5 | 0 | 42 | 1 | 38 | 0 | 8 | 3 | 16 | 26 |

## The Lunar Aspects.

| Ju.A | W.D | Saints Days | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aspects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | c | Lamm. | | | 17 ✶ 23 | | | | | 12 |
| 2 | d | Moſes | 3 ✶ 17 | | | | | | * Virgins Spick | 13 |
| 3 | e | Ariſtar. | | | | | | | ☌ ☽, at | 14 |
| 4 | f | 11 p Tr | | | 7 □ 19 | 22 8 56 | | 12 ✶ 14 | 7 ho. 34′ | 15 |
| 5 | g | Fe. Niv. | 3 □ 25 | 23 8 42 | | | 8 ✶ 50 | | * Tail of ☋ | 16 |
| 6 | a | Sixt. E. | | | 20 △ 38 | | | | ☌ ☿, at | 17 |
| 7 | b | Cyriac. | 19 △ 13 | | | | | 7 □ 47 | 17 ho. 25′ | 18 |
| 8 | c | Roman. | | | | | 1 □ 34 | | | 19 |
| 9 | d | Theod. | | | | 22 △ 26 | | 21 △ 54 | | 20 |
| 10 | e | Laurent. | | 15 △ 26 | | | 13 △ 28 | | | 21 |
| 11 | f | 12 p. Tr. | | | 11 8 27 | | | | △ ♂ ☿ | 22 |
| 12 | g | Clara V. | 13 8 48 | 8 □ 30 | | 4 □ 1 | | | △ ♄ ♀ | 23 |
| 13 | a | Hippol. | | | | | | | | 24 |
| 14 | b | Euſeb. | | 19 ✶ 41 | | 7 ✶ 22 | | 12 8 19 | * Pleiades ☌ ♂ | 25 |
| 15 | c | Aſſ. Ma. | | | 15 △ 47 | | 2 8 16 | | at 9 ho. 17′ | 26 |
| 16 | d | Rochus. | 22 △ 57 | | | | | | □ ☉ ♄ | 27 |
| 17 | e | Agapit. | | | 18 □ 15 | | | | 18 day Head Algol | 28 |
| 18 | f | 13 p. Tr. | | 23 ☌ 56 | | 14 ☌ 19 | | | ☌ ☽, at 4 ho. 16′ | 29 |
| 19 | g | Ma. Ma. | 5 □ 20 | | 22 ✶ 40 | | 16 △ 9 | 0 △ 2 | △ ♄ ♀ | 30 |
| 20 | a | Bernar. | | | | | | | | 31 |
| 21 | b | Privat. | 14 ✶ 27 | | | | | 8 □ 46 | * Sirius ☌ ☽, | |
| 22 | c | Symph. | | | | | 2 □ 52 | | at 16 ho. 24′ | |
| 23 | d | Zachæ. | | 11 ✶ 43 | | 5 ✶ 6 | | 19 ✶ 18 | ✶ ♂ ♀ | |
| 24 | e | S. Bart. | | | 14 ☌ 25 | | 16 ✶ 13 | | | |
| 25 | f | 14 p. Tr. | | 20 □ 25 | | 15 □ 45 | | | * Arcturus | 5 |
| 26 | g | Severin | 16 ☌ 10 | | | | | | ☌ ♀, at | 6 |
| 27 | a | Ruffus | | | | | | | 17 ho. 00′ | 7 |
| 28 | b | Auguſt. | | 7 △ 16 | | 4 △ 12 | | 20 ☌ 24 | | 8 |
| 29 | c | De. J. B. | | | 12 ✶ 43 | | | | * Arcturus | 9 |
| 30 | d | Fœlix | | | | | 2 ☌ 14 | | ☌ ☽, at | 10 |
| 31 | e | Paulin. | | | | | | | 15 ho. 48′ | 11 |

| | D | ♄ | ☌ | ♃ | ♌ | ♂ | ♈ | ☉ | ♒ | ♀ | ♍ | ☿ | ♍ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 26 | 35 | 11 | 18 | 2 | 9 | 19 | 8 | 7 | 24 | 7 | ♍ 16 | 3 □ 4 ♀. 3 □ 4 ♀ |
| | 6 | 26 | 46 | 11 | 42 | 5 | 14 | 23 | 56 | 15 | 24 | 21 | 54 | 8 8 ♄ ☿. 9 □ ♄ ☉ |
| | 11 | 26 | 57 | 12 | 6 | 8 | 18 | 28 | 46 | 23 | 23 | 5 | ♐ 52 | 13 △ 4 ♀. 13 △ ♂ ☿ |
| | 16 | 27 | 8 | 12 | 30 | 11 | 21 | 3 | ♓ 36 | 1 | ♐ 21 | 19 | 32 | 13 8 ♄ ♀. 17 △ 4 ♂ |
| | 21 | 27 | 19 | 12 | 54 | 14 | 24 | 8 | 26 | 9 | 19 | 3 | ♑ 26 | 23 △ 4 ♀. 25 □ ♂ ☿ |
| | 26 | 27 | 30 | 13 | 18 | 17 | 25 | 13 | 17 | 17 | 16 | 18 | 3 | 26 △ ♂ ♀. 30 △ ♄ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. | ☽ | ♄ | ♅ | ♃ | ♀ | ♂ | ♅ | ♀ | ♅ | ☊ | ☋ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| ☉ | 19 8 | 17 48 | 0 S | 54 | 3 52 | 19 9 | 3 54 | 27 34 | 11 7 | 7 44 | | | | |
| 2 | 20 7 | 29 37 | 1 | 57 | 3 53 | 19 21 | 4 17 | 28 45 | 11 8 | 7 41 | | | | |
| 3 | 21 5 | 11 ♐ 37 | 2 | 57 | 3 54 | 19 33 | 4 40 | 29 56 | 11 Rx 2 | 7 38 | | | | |
| 4 | 22 4 | 23 48 | 3 | 48 | 3 54 | 19 45 | 5 2 | 1 ♍ 6 | 10 50 | 7 35 | | | | |
| 5 | 23 3 | 6 ♑ 17 | 4 | 30 | 3 55 | 19 57 | 5 24 | 2 17 | 10 31 | 7 32 | | | | |
| 6 | 24 1 | 19 7 | 4 | 55 | 3 Rx 55 | 20 9 | 5 45 | 3 28 | 10 5 | 7 29 | | | | |
| 7 | 25 0 | 2 ♒ 23 | 5 | 9 | 3 55 | 20 21 | 6 6 | 4 39 | 9 30 | 7 26 | | | | |
| ☉ | 25 58 | 16 9 | 5 | 5 | 3 55 | 20 33 | 6 28 | 5 50 | 8 46 | 7 22 | | | | |
| 9 | 26 57 | 0 ♓ 21 | 4 | 42 | 3 54 | 20 45 | 6 49 | 7 0 | 7 56 | 7 19 | | | | |
| 10 | 27 56 | 14 57 | 3 | 59 | 3 54 | 20 57 | 7 10 | 8 11 | 7 17 | 16 | | | | |
| 11 | 28 55 | 29 50 | 3 | 23 | 3 53 | 21 8 | 7 29 | 9 22 | 6 17 | 13 | | | | |
| 12 | 29 54 | 14 ♈ 54 | 1 | 54 | 3 52 | 21 20 | 7 47 | 10 32 | 5 17 | 10 | | | | |
| 13 | 0 ♎ 53 | 29 56 | 0 | 38 | 3 51 | 21 31 | 8 5 | 11 42 | 4 0 | 7 | 7 | | | |
| 14 | 1 52 | 14 ♉ 50 | 0 N | 41 | 3 50 | 21 43 | 8 23 | 12 53 | 2 58 | 7 4 | | | | |
| ☉ | 2 51 | 29 29 | 1 | 57 | 3 49 | 21 54 | 8 40 | 14 3 | 1 56 | 7 1 | | | | |
| 16 | 3 50 | 13 ♊ 43 | 3 | 6 | 3 47 | 22 6 | 8 57 | 15 13 | 0 54 | 6 57 | | | | |
| 17 | 4 49 | 27 35 | 4 | 43 | 3 46 | 22 17 | 9 13 | 16 24 | 29 ♑ 53 | 6 54 | | | | |
| 18 | 5 48 | 11 ♋ 7 | 4 | 45 | 3 45 | 22 28 | 9 28 | 17 34 | 28 56 | 6 51 | | | | |
| 19 | 6 47 | 24 17 | 5 | 5 | 3 43 | 22 39 | 9 42 | 18 44 | 28 7 | 6 48 | | | | |
| 20 | 7 46 | 7 ♌ 13 | 5 | 10 | 3 42 | 22 50 | 9 55 | 19 55 | 27 25 | 6 45 | | | | |
| 21 | 8 45 | 19 53 | 5 | 0 | 3 40 | 23 1 | 10 7 | 21 5 | 26 51 | 6 42 | | | | |
| ☉ | 9 45 | 2 ♍ 23 | 4 | 37 | 3 38 | 23 12 | 10 18 | 22 15 | 26 27 | 6 38 | | | | |
| 23 | 10 44 | 14 41 | 4 | 0 | 3 36 | 23 22 | 10 29 | 23 24 | 26 16 | 6 35 | | | | |
| 24 | 11 43 | 26 54 | 3 | 13 | 3 34 | 23 33 | 10 39 | 24 34 | 26 D 16 | 6 32 | | | | |
| 25 | 12 43 | 8 ♎ 58 | 2 | 19 | 3 32 | 23 43 | 10 48 | 25 43 | 26 25 | 6 29 | | | | |
| 26 | 13 42 | 20 54 | 1 | 20 | 3 29 | 23 54 | 10 56 | 26 53 | 26 46 | 6 25 | | | | |
| 27 | 14 41 | 2 ♏ 47 | 0 | 18 | 3 27 | 24 4 | 11 4 | 28 2 | 27 16 | 6 22 | | | | |
| 28 | 15 41 | 14 35 | 0 S | 44 | 3 24 | 24 15 | 11 11 | 29 11 | 27 55 | 6 19 | | | | |
| ☉ | 16 40 | 26 24 | 1 | 45 | 3 22 | 24 25 | 11 17 | 0 ♐ 20 | 28 43 | 6 16 | | | | |
| 30 | 17 39 | 8 ♐ 19 | 2 | 44 | 3 19 | 24 36 | 11 23 | 1 29 | 29 40 | 6 12 | | | | |

## The Latitude of the Planets.

| ♄ | S | ♅ | N | ♂ | S | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 6 | 0 | 43 | 1 | 32 | 0 | 28 | 3 | 50 | 1 |
| 2 | 7 | 0 | 43 | 1 | 26 | 0 | 46 | 3 | 54 | 6 |
| 2 | 8 | 0 | 44 | 1 | 19 | 1 | 4 | 3 | 58 | 11 |
| 2 | 8 | 0 | 44 | 1 | 11 | 1 | 22 | 2 | 2 | 16 |
| 2 | 9 | 0 | 45 | 1 | 3 | 1 | 41 | 0 | 23 | 21 |
| 2 | 10 | 0 | 46 | 0 | 54 | 1 | 52 | 0 | N 35 | 26 |

## The Lunar Aſpects.

| Ju. A. | W. D | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets Mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | 15 p.Tr. | 2 ✶55 | | 2 □47 | | | | ☌ ♄ ☌ | 12 |
| 2 | g | Anthon | | 8 835 | | 9 838 | | 22✶50 | *Scorpions heart | 13 |
| 3 | a | Theod. | 20□20 | | 15△39 | | | | ☌ ☽ ; at | 14 |
| 4 | b | Tr. Cut. | | | | | 15✶30 | | 12 ho. 6′ | 15 |
| 5 | c | Moſes | | | | | | 7 □45 | *Aldebaran | 16 |
| 6 | d | Magnus | 9 △33 | | | | | | ☌ ☌, at | 17 |
| 7 | e | Regina | | 2 △40 | | 6 △37 | 4 □20 | 11△48 | 5 ho. 43′ | 18 |
| 8 | f | 16 p.Tr. | | | 7 833 | | | | | 19 |
| 9 | g | Gorgon | | 7 □51 | | 10□52 | 11△55 | | | 20 |
| 10 | a | Hilary | 22826 | | | | | | △ ☌ ♀ | 21 |
| 11 | b | Fælix | | 6 ✶28 | | 12✶30 | | 9 818 | | 22 |
| 12 | c | Guido | | | 10△22 | | | | | 23 |
| 13 | d | Amatus | | | | | 20833 | | △ ♃ ♀ | 24 |
| 14 | e | E. Cru. | | | 11□23 | | | | ☌ ☉ ♀ | 25 |
| 15 | f | 17 p.Tr. | 6 △ 47 | ☌19 | | 15☌46 | | 3 △50 | | 26 |
| 16 | g | Edith | | | 14✶43 | | | Orien. | ✶ ☉ ♄ | 27 |
| 17 | a | Lampe. | 13□49 | | | | | 3 □48 | | 28 |
| 18 | b | Fereol. | | | | | 12△54 | | *Pollux ☌ ☽ | 29 |
| 19 | c | Januar. | | 17✶30 | | | | 6 ✶42 | at 14 ho. 41′ | 30 |
| 20 | d | Fauſta | 1 ✶ 8 | | | 5 ✶10 | | | | |
| 21 | e | S. Mat. | | | 6 ☌20 | | 2 □33 | | | Octob. |
| 22 | f | 18 p.Tr. | | 2 □27 | | 15□42 | | | △ ☍ ☌ | |
| 23 | g | Tecl. V. | | | | | 18✶58 | 22☌44 | □ ♃ ♀ | |
| 24 | a | Rupert. | | 13△14 | | | | | | |
| 25 | b | Cleoph. | 8 ☌15 | | | 3 △44 | | | | 6 |
| 26 | c | Cypria, | | | 6 ✶ 9 | | | | ✶ ♀ ☿ | 7 |
| 27 | d | Co. Dam | | | | | | | *Lucida Corona | 8 |
| 28 | e | Wenc. | | | 19□54 | | | | ☌ ☽, at 10 ho. 36′ | 9 |
| 29 | f | S. Mich | | 13 858 | | | 8 ☌47 | 5 ✶ 6 | *Antares ☌ ☽ | 10 |
| 30 | g | Hieron. | 20✶38 | | | 6 8 8 | | | at 18 ho. 32′ | 11 |

| | D | ♄ | ♅ | ♃ | ♌ | ♂ | ♈ | ☉ | ♓ | ☿ | ♐ | ♀ | ♒ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 27 | 43 | 13 | 46 | 21 | 0 | 19 | 8 | 26 | 47 | 7♒ | 9 | 2 8 ♃ ♀. 5✶ ♂ ♀ |
| | 6 | 27 | 54 | 14 | 10 | 23 | 58 | 24 | 1 | 4♑ | 43 | 25 | 4 | 7□ ♄ ☿. 10✶ ♄ ☉ |
| | 11 | 28 | 6 | 14 | 33 | 26 | 56 | 28 | 55 | 12 | 38 | 16♓ | 8 | 14□ ♄ ☿. 18△ ♃ ☿ |
| | 16 | 28 | 17 | 14 | 57 | 29 | 51 | 3♈ | 50 | 20 | 34 | 9♈ | 42 | 21△ ♄ ☿, 23□ ♃ ♀ |
| | 21 | 28 | 28 | 15 | 20 | 2♉ | 46 | 8 | 45 | 28 | 29 | 7♉ | 50 | 24☌ ♄ ☿. 25□ ☌ ♀ |
| | 26 | 28 | 39 | 15 | 44 | 5 | 38 | 13 | 42 | 6♒ | 24 | 9♊ | 32 | 28△ ♃ ☉. 28✶ ♃ ☿ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☊ | ☽ | ☌ | Lat. ☽ | ♄ | ♃ | ♅ | ♀ | ♂ | ☿ | ☌ | ☿ | ☊ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | | ° ′ | | ° ′ | ° ′ | | | | ° ′ | | ° ′ | | ° ′ | |
| 1 | 18 39 | | 20 20 | ♍ | 3 S 36 | 3 17 | 24 46 | | | 11 28 | | 2 38 | | 0 45 | 6 9 |
| 2 | 19 39 | | 2 ♎ | 36 | 4 20 | 3 14 | 24 56 | | | 11 33 | | 3 46 | | 1 56 | 6 6 |
| 3 | 20 39 | | 14 59 | | 4 55 | 3 11 | 25 6 | | | 11 37 | | 4 54 | | 3 11 | 6 3 |
| 4 | 21 38 | | 27 40 | | 5 12 | 3 8 | 25 16 | | | 11 40 | | 6 3 | | 4 32 | 6 0 |
| 5 | 22 38 | | 11 ♏ | 0 | 5 11 | 3 5 | 25 25 | | | 11 42 | | 7 11 | | 5 55 | 5 57 |
| ☉ | 23 38 | | 24 40 | | 4 53 | 3 1 | 25 35 | | | 11 ℞ 41 | | 8 19 | | 7 22 | 5 54 |
| 7 | 24 38 | | 8 ♐ | 45 | 4 19 | 2 58 | 25 44 | | | 11 41 | | 9 27 | | 8 51 | 5 51 |
| 8 | 25 37 | | 23 19 | | 3 26 | 2 54 | 25 53 | | | 11 40 | | 10 35 | | 10 23 | 5 47 |
| 9 | 26 37 | | 8 ♑ | 18 | 2 20 | 2 51 | 26 2 | | | 11 39 | | 11 43 | | 11 56 | 5 44 |
| 10 | 27 37 | | 23 29 | | 1 4 | 2 47 | 26 11 | | | 11 37 | | 12 51 | | 13 32 | 5 41 |
| 11 | 28 37 | | 8 ♒ | 41 | 0 N 16 | 2 44 | 26 20 | | | 11 35 | | 13 59 | | 15 10 | 5 38 |
| 12 | 29 37 | | 23 48 | | 1 34 | 2 40 | 26 29 | | | 11 31 | | 15 6 | | 16 48 | 5 35 |
| ☉ | 0 ♏ | 37 | 8 ♓ | 40 | 2 46 | 2 37 | 26 38 | | | 11 25 | | 16 13 | | 18 26 | 5 32 |
| 14 | 1 37 | | 23 10 | | 3 48 | 2 33 | 26 47 | | | 11 18 | | 17 19 | | 20 5 | 5 28 |
| 15 | 2 37 | | 7 ♈ | 11 | 4 29 | 2 30 | 26 56 | | | 11 10 | | 18 26 | | 21 44 | 5 25 |
| 16 | 3 37 | | 20 52 | | 5 2 | 2 26 | 27 5 | | | 11 1 | | 19 32 | | 23 23 | 5 22 |
| 17 | 4 37 | | 4 ♉ | 35 | 5 17 | 2 22 | 27 13 | | | 10 51 | | 20 38 | | 25 3 | 5 19 |
| 18 | 5 37 | | 16 51 | | 5 6 | 2 18 | 27 22 | | | 10 41 | | 21 45 | | 26 42 | 5 16 |
| 19 | 6 37 | | 29 24 | | 4 45 | 2 14 | 27 30 | | | 10 31 | | 22 52 | | 28 22 | 5 13 |
| ☉ | 7 37 | | 11 ♊ | 39 | 4 8 | 2 10 | 27 39 | | | 10 20 | | 23 58 | | 0 ♏ 1 | 5 10 |
| 21 | 8 38 | | 23 47 | | 3 23 | 2 6 | 27 47 | | | 10 9 | | 25 4 | | 1 39 | 5 6 |
| 22 | 9 38 | | 5 ♋ | 46 | 2 30 | 2 2 | 27 55 | | | 9 56 | | 26 9 | | 3 17 | 5 3 |
| 23 | 10 38 | | 17 42 | | 1 30 | 1 57 | 28 2 | | | 9 44 | | 27 14 | | 4 56 | 5 0 |
| 24 | 11 38 | | 29 34 | | 0 28 | 1 53 | 28 9 | | | 9 30 | | 28 20 | | 6 34 | 4 57 |
| 25 | 12 38 | | 11 ♌ | 26 | 0 S 34 | 1 48 | 28 17 | | | 9 15 | | 29 25 | | 8 13 | 4 54 |
| 26 | 13 39 | | 23 19 | | 1 35 | 1 44 | 28 24 | | | 8 59 | | 0 ♍ | 30 | 9 51 | 4 50 |
| ☉ | 14 39 | | 5 ♑ | 14 | 2 34 | 1 39 | 28 31 | | | 8 42 | | 1 34 | | 11 29 | 4 47 |
| 28 | 15 39 | | 17 17 | | 3 26 | 1 35 | 28 37 | | | 8 24 | | 2 38 | | 13 6 | 4 44 |
| 29 | 16 40 | | 29 26 | | 4 11 | 1 30 | 28 43 | | | 8 5 | | 3 42 | | 14 43 | 4 41 |
| 30 | 17 40 | | 11 ♍ | 48 | 4 44 | 1 26 | 28 50 | | | 7 45 | | 4 46 | | 16 20 | 4 38 |
| 31 | 18 41 | | 24 20 | | 5 5 | 1 21 | 28 56 | | | 7 24 | | 5 49 | | 17 56 | 4 34 |

**The Latitude of the Planets**

| ♄ | | ♃ | | ♂ | | ♀ | | ☿ | | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 10 S | 0 | 46 N | 0 | 42 S | 2 | 14 S | 0 | 56 N | 1 |
| 2 | 10 | 0 | 47 | 0 | 31 | 2 | 30 | 2 | 1 | 6 |
| 2 | 11 | 0 | 48 | 0 | 19 | 2 | 44 | 1 | 53 | 11 |
| 2 | 11 | 0 | 49 | 0 | 6 | 2 | 56 | 1 | 32 | 16 |
| 2 | 12 | 0 | 50 | 0 | N 9 | 3 | 5 | 1 | 3 | 21 |
| 2 | 12 | 0 | 51 | 0 | 25 | 3 | 12 | 0 | 32 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Orien. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Remig. | | | 8 △48 | | | 22□40 | 8 ♄ ♀ | 12 |
| 2 | b | Leod. | | | | | | | | 13 |
| 3 | c | Maxim | 11□33 | | | | | | △♄ ☿ | 14 |
| 4 | d | Francis | | 9 △48 | | | 16✶30 | 13△47 | | 15 |
| 5 | e | Conſt. | 22△ 1 | | | 1 △21 | | | 3 day Antares | 16 |
| 6 | f | 20 p. Tr. | | 14□11 | 1 833 | | | | ♂♀, at 16 h. 00′ | 17 |
| 7 | g | Marcus | | | | 4 □49 | 1 □16 | | ✶☉♃ | 18 |
| 8 | a | Pelagia | | 15✶20 | | | | | △♂♀. ✶♀☿ | 19 |
| 9 | b | Dionyſ. | | | | 5 ✶21 | 5 △50 | 6 825 | 8♂♀ | 20 |
| 10 | c | Burch. | 7 824 | | 4 △20 | | | | ☽ eclipſed viſible | 21 |
| 11 | d | Gideon | | | | | | | | 22 |
| 12 | e | Colman | | 14♂14 | 4 □24 | | | | | 23 |
| 13 | f | 21 p. Tr. | | | | 4 ♂32 | 13 8 53 | 18△10 | * Rigel ♂☽, at | 24 |
| 14 | g | Calixt. | 15△34 | | 6 ✶17 | | | | 6 ho. 45′ | 25 |
| 15 | a | Hedwig | | | | | | | | 26 |
| 16 | b | Gal'us | | 21✶ 0 | | | | 5 □15 | | 27 |
| 17 | c | Florent. | 1 □ 6 | | | 12✶52 | | | | 28 |
| 18 | d | S. Luke | | | 19♂56 | | 10△18 | 21✶45 | ✶♂♀ | 29 |
| 19 | e | Ptolem. | 15✶23 5 □31 | | | 21□27 | | | * Cor ♌ ♂☽, at | 30 |
| 20 | f | 22 p. Tr. | | | | | | | 17 ho. 00′ | 31 |
| 21 | g | Cordula | | 16△34 | | | 5 □ 1 | | | |
| 22 | a | 40 Vi. M | | | | 8 △17 | | | | |
| 23 | b | Roman | | | 20✶43 | | 21✶15 | | △♃♀ | Nov. |
| 24 | c | Ma. &c | | | | | | 16♂25 | | |
| 25 | d | Criſpin | 2 ♂39 | | | | | | ☉ eclipſ. inviſible | 5 |
| 26 | e | Amand. | | 16 8 50 | 10□11 | | | | | 6 |
| 27 | f | 23 p. Tr. | | | | 6 845 | | | * Antares ♂☽, | 7 |
| 28 | g | S. Si. & J | | | 22△11 | | | | at 0 ho. 52′ | 8 |
| 29 | a | Narciſſ. | | | | | 9 ♂ 4 | | * N. Balance | 9 |
| 30 | b | Theon. | 12✶11 | | | | | 9 ✶57 | ♂♀, at | 10 |
| 31 | c | Wolfg. | | 13△ 5 | | 23△54 | | | 7 ho. 50′ | 11 |

| | D | ♄ | ♉ | ♃ | ♌ | ♂ | ♍ | ☉ | ♈ | ♀ | ♒ | ☿ | ♎ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 28 | 51 | 16 | 7 | 8 | 29 | 18 | 39 | 19 | 14 | 10♎43 | | 2✶♂♀. 3 8 ♃♀ |
| | 6 | 29 | 2 | 16 | 31 | 11 | 19 | 23 | 38 | 22 | 14 | 9♌46 | | 4□♄♀. 7□♂♀ |
| | 11 | 29 | 13 | 16 | 55 | 14 | 9 | 28 | 37 | 0♓ | 9 | 4♍52 | | 8♂♃♀. 10✶♄♀ |
| | 16 | 29 | 24 | 17 | 19 | 16 | 56 | 3♉ | 37 | 8 | 5 | 26 | 12 | 13△♂♀. 18△♄♀ |
| | 21 | 29 | 36 | 17 | 43 | 19 | 42 | 8 | 38 | 16 | 2 | 14♎42 | | 18□♃♂. 22✶♃♀ |
| | 26 | 29 | 47 | 18 | 7 | 22 | 26 | 13 | 39 | 24 | 0 | 1♏12 | | 24 ✶♂♀ |

NOVEM.

## The Diurnal Motion of the Planets.

| Days | ☉ ♏ | ☽ ♒ | Lat. ☽ | ♄ ♓ | ♃ ♌ | ♂ ♍ | ♀ ♎ | ☿ ♏ | ♌ ♑ |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 41 | 7 7 | 5 S 13 | 1 16 | 29 2 | 7 4 | 6 51 | 19 32 | 4 31 |
| 2 | 20 42 | 20 13 | 5 4 | 1 11 | 29 8 | 6 44 | 7 53 | 21 7 | 4 28 |
| ☉ | 21 42 | 3 ♓ 39 | 4 32 | 1 6 | 29 14 | 6 23 | 8 55 | 22 42 | 4 24 |
| 4 | 22 43 | 17 34 | 3 48 | 1 1 | 29 20 | 6 1 | 9 57 | 24 17 | 4 21 |
| 5 | 23 44 | 1 ♈ 55 | 2 46 | 0 56 | 29 26 | 5 39 | 10 59 | 25 52 | 4 18 |
| 6 | 24 44 | 16 35 | 1 35 | 0 51 | 29 32 | 5 17 | 12 0 | 27 26 | 4 14 |
| 7 | 25 45 | 1 ♉ 33 | 0 15 | 0 46 | 29 38 | 4 55 | 13 0 | 29 1 | 4 11 |
| 8 | 26 46 | 16 41 | 1 N 6 | 0 41 | 29 43 | 4 33 | 14 0 | 0 ♐ 35 | 4 8 |
| 9 | 27 46 | 1 ♊ 50 | 2 20 | 0 36 | 29 49 | 4 11 | 15 0 | 2 9 | 4 5 |
| ☉ | 28 47 | 16 50 | 3 25 | 0 31 | 29 54 | 3 48 | 15 59 | 3 43 | 4 2 |
| 11 | 29 47 | 1 ♋ 35 | 4 18 | 0 26 | 29 59 | 3 26 | 16 59 | 5 17 | 3 59 |
| 12 | 0 ♐ 48 | 15 49 | 4 53 | 0 21 | 0 ♍ 4 | 3 3 | 17 58 | 6 51 | 3 56 |
| 13 | 1 49 | 29 35 | 5 9 | 0 16 | 0 8 | 2 41 | 18 57 | 8 25 | 3 53 |
| 14 | 2 50 | 12 ♌ 57 | 5 8 | 0 11 | 0 12 | 2 18 | 19 55 | 9 58 | 3 49 |
| 15 | 3 51 | 25 51 | 4 50 | 0 6 | 0 16 | 1 56 | 20 53 | 11 31 | 3 46 |
| 16 | 4 52 | 8 ♍ 22 | 4 21 | 0 1 | 0 20 | 1 34 | 21 51 | 13 3 | 3 43 |
| ☉ | 5 53 | 20 37 | 3 33 | 29 ♉ 56 | 0 23 | 1 11 | 22 47 | 14 36 | 3 40 |
| 18 | 6 54 | 2 ♎ 41 | 2 40 | 29 51 | 0 27 | 0 49 | 23 43 | 16 8 | 3 37 |
| 19 | 7 55 | 14 36 | 1 40 | 29 46 | 0 30 | 0 27 | 24 37 | 17 41 | 3 34 |
| 20 | 8 56 | 26 25 | 0 37 | 29 41 | 0 33 | 0 5 | 25 31 | 19 13 | 3 31 |
| 21 | 9 57 | 8 ♏ 15 | 0 S 25 | 29 37 | 0 36 | 29 ♉ 44 | 26 24 | 20 45 | 3 28 |
| 22 | 10 58 | 20 10 | 1 29 | 29 32 | 0 38 | 29 24 | 27 17 | 22 17 | 3 24 |
| 23 | 11 59 | 2 ♐ 9 | 2 25 | 29 28 | 0 41 | 29 4 | 28 9 | 23 49 | 3 21 |
| ☉ | 13 0 | 14 15 | 3 17 | 29 23 | 0 43 | 28 44 | 29 1 | 25 21 | 3 18 |
| 25 | 14 1 | 26 31 | 4 0 | 29 19 | 0 45 | 28 25 | 29 53 | 26 53 | 3 15 |
| 26 | 15 2 | 8 ♑ 54 | 4 37 | 29 14 | 0 47 | 28 7 | 0 ♒ 44 | 28 25 | 3 12 |
| 27 | 16 3 | 21 29 | 4 59 | 29 10 | 0 48 | 27 50 | 1 35 | 29 56 | 3 9 |
| 28 | 17 4 | 4 ♒ 15 | 5 9 | 29 5 | 0 49 | 27 33 | 2 24 | 1 ♑ 27 | 3 6 |
| 29 | 18 5 | 17 10 | 5 1 | 29 1 | 0 50 | 27 17 | 3 11 | 2 58 | 3 2 |
| 30 | 19 6 | 0 ♓ 21 | 4 38 | 28 56 | 0 51 | 27 2 | 3 57 | 4 29 | 2 59 |

**The Latitude of the Planets.**

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | ☾ Days. |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 12 | 0 | 53 | 0 | 42 | 3 | 15 | 0 | 7 1 |
| 2 | 12 | 0 | 54 | 0 | 58 | 3 | 12 | 0 | 41 6 |
| 2 | 12 | 0 | 55 | 1 | 12 | 3 | 6 | 1 | 11 11 |
| 2 | 11 | 0 | 57 | 1 | 25 | 2 | 57 | 1 | 36 16 |
| 2 | 11 | 0 | 58 | 1 | 37 | 2 | 43 | 1 | 57 21 |
| 2 | 10 | 0 | 59 | 1 | 47 | 2 | 20 | 2 | 10 26 |

## The Lunar Aſpects.

| Jul. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | d | *Om. Sa.* | | | | | | | ☌☉☿ | 12 |
| 2 | e | *Om. An.* | ☌5 5 | 19☐41 | 16 8 2 | | | 1 ☐48 | * Fomahant | 13 |
| 3 | f | 24 p. Tr. | | | | 4 ☐35 | 9 ✶50 | | ☌☽, at | 14 |
| 4 | g | Amant. | 9 △16 | 22✶33 | | | | 12△35 | 16 ho. 13′ | 15 |
| 5 | a | Lætus | | | | 5 ✶57 | 15☐56 | | * Shining Harp | 16 |
| 6 | b | Leonar. | | | 20△53 | | | | ☌♀, at | 17 |
| 7 | c | Florent. | | | | | 19△26 | | 4 ho. 20′ | 18 |
| 8 | d | Severus | 17 8 7 | 22☌ 3 | 4 ☐51 | | | | | 19 |
| 9 | e | Theod. | | | | 3 ☌40 | | ☌ 8 36 | * Aldebaran | 20 |
| 10 | f | 25 p Tr. | | | 21✶24 | | | | ☌☽, at 5 ho. 56′ | 21 |
| 11 | g | Mart E. | | | | | | | ☐☉♃ | 22 |
| 12 | a | Ludov. | | | | | 4 8 3 | | 8☉♄ | 23 |
| 13 | b | Aſcani. | 4 △20 | *Occid.* | | 5 ✶26 | | 17△55 | 8☉☌ | 24 |
| 14 | c | Freder. | | | | *Occid.* | | | ☐♄♃ | 25 |
| 15 | d | Leop. | 16☐40 | 8 ☐ 6 | 8 ☌30 | 11☐20 | | | * Cor ♌ ☌☽, at | 26 |
| 16 | e | Othm. | | | | | | 10☐10 | Noon | 27 |
| 17 | f | 26 p. Tr. | | 18△23 | | 20△26 | 4 △45 | | | 28 |
| 18 | g | Oct. Ma | 9 ✶14 | | | | | | | 29 |
| 19 | a | Elizab. | | | | | 1 ☐44 | 7 ✶12 | * Virgins Spick | 30 |
| 20 | b | Eugen. | | | 8 ✶31 | | | | ☌☽, at 10 ho. 26′ | 1 |
| 21 | c | Ob. V. M | | | | | | | ☌♄☌ | |
| 22 | d | Cæcilia | | 18 8 44 | 20☐56 | 18 8 2 | 15✶24 | | | Decem. |
| 23 | e | Clem. | 21☌17 | | | | | | △☌♀ | |
| 24 | f | 27 p. Tr. | | | | | | ☌ 5 12 | △♄♀ | |
| 25 | g | Cathar. | | | 8 △16 | | | | 26 day Sh. Harp | 6 |
| 26 | a | Conrad. | | | | | | | ☌☽, at 4 ho. 19′ | 7 |
| 27 | b | Gunth. | | 14△24 | | 11△48 | 20☌12 | | △♄♀ | 8 |
| 28 | c | Ruffus | | | | | | | | 9 |
| 29 | d | Saturn. | 1 ✶46 | 21☐22 | | 18☐ 4 | | | * Fomahant | 10 |
| 30 | e | St. *And.* | | | 1 8 0 | | | 8 ✶16 | ☌☽, at 22 ho. 40′ | 11 |

| | D | ♄ | ♊ | ♃ | ♌ | ♂ | ♉ | ☉ | ♉ | ♀ | ♈ | ☿ | ♏ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 0 | 0 | 18 | 34 | 25 | 42 | 19 | 41 | 3 | 32 | 19♏ | 9 | 1☐♃ ☉. 1☐♃♀ |
| | 6 | 0 | 11 | 18 | 58 | 28 | 23 | 24 | 44 | 11 | 30 | 3♐ | 10 | 1 8 ☉ ♀. 4 8 ☌♀ |
| | 11 | 0 | 22 | 19 | 22 | 1♊ | 3 | 29 | 47 | 19 | 29 | 16 | 54 | 4 8 ♄ ♀. 10 ☌♄☌ |
| | 16 | 0 | 33 | 19 | 46 | 3 | 41 | 4♊ | 52 | 27 | 30 | 0♑ | 43 | 12☌♄ ☉. 11△♃♀ |
| | 21 | 0 | 44 | 20 | 9 | 6 | 19 | 9 | 57 | 5♉ | 31 | 15 | 8 | 13△♃♀. 15☌☌☽ |
| | 26 | 0 | 55 | 20 | 33 | 8 | 54 | 15 | 2 | 13 | 32 | 0♒ | 38 | 26△♄♀. 29△☌♀ |

DE-

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | ☽ | Lat. ☽ | ♄ | ♅ | ♃ | ♂ | ♅ | ♀ | ♒ | ☿ | ♍ | ☊ | ♅ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| ☉ | 20 7 | 13 46 | 3 S | 57 | 28 52 | 0 | 52 | 26 48 | 4 43 | 5 59 | 2 56 | | | | |
| 2 | 21 8 | 27 32 | 3 | 0 | 28 47 | 0 | 52 | 26 34 | 5 28 | 7 27 | 2 53 | | | | |
| 3 | 22 10 | 11 ♈ 35 | 1 | 52 | 28 43 | 0 | 53 | 26 21 | 6 12 | 8 53 | 2 50 | | | | |
| 4 | 23 11 | 25 57 | 0 | 38 | 28 39 | 0 | 53 | 26 9 | 6 56 | 10 18 | 2 47 | | | | |
| 5 | 24 12 | 10 ♉ 35 | 0 N | 40 | 28 35 | 0 | 54 | 25 58 | 7 39 | 11 42 | 2 43 | | | | |
| 6 | 25 14 | 25 20 | 1 | 57 | 28 31 | 0 | Rx 54 | 25 48 | 8 21 | 13 4 | 2 40 | | | | |
| 7 | 26 15 | 10 ♊ 16 | 3 | 5 | 28 27 | 0 | 54 | 25 38 | 9 2 | 14 25 | 2 37 | | | | |
| ☉ | 27 16 | 25 53 | 3 | 58 | 28 23 | 0 | 53 | 25 29 | 9 41 | 15 45 | 2 34 | | | | |
| 9 | 28 17 | 9 ♋ 41 | 4 | 38 | 28 19 | 0 | 53 | 25 21 | 10 18 | 17 5 | 2 31 | | | | |
| 10 | 29 18 | 23 55 | 5 | 0 | 28 15 | 0 | 52 | 25 14 | 10 53 | 18 24 | 2 28 | | | | |
| 11 | 0 ♍ 19 | 7 ♌ 43 | 5 | 8 | 28 12 | 0 | 52 | 25 8 | 11 26 | 19 43 | 2 24 | | | | |
| 12 | 1 20 | 21 11 | 4 | 53 | 28 8 | 0 | 51 | 25 3 | 11 58 | 20 50 | 2 21 | | | | |
| 13 | 2 22 | 4 ♍ 10 | 4 | 24 | 28 5 | 0 | 50 | 24 59 | 12 29 | 21 53 | 2 18 | | | | |
| 14 | 3 23 | 16 46 | 3 | 43 | 28 1 | 0 | 49 | 24 56 | 12 59 | 22 52 | 2 15 | | | | |
| ☉ | 4 24 | 29 0 | 2 | 53 | 27 58 | 0 | 48 | 24 53 | 13 28 | 23 56 | 2 11 | | | | |
| 16 | 5 26 | 11 ♎ 1 | 1 | 53 | 27 54 | 0 | 46 | 24 51 | 13 55 | 24 34 | 2 8 | | | | |
| 17 | 6 27 | 22 52 | 0 | 50 | 27 51 | 0 | 44 | 24 49 | 14 21 | 25 13 | 2 5 | | | | |
| 18 | 7 28 | 4 ♏ 40 | 0 S | 14 | 27 47 | 0 | 42 | 24 48 | 14 44 | 25 42 | 2 2 | | | | |
| 19 | 8 29 | 16 27 | 1 | 19 | 27 44 | 0 | 39 | 24 D 48 | 15 5 | 26 2 | 1 59 | | | | |
| 20 | 9 30 | 28 17 | 2 | 15 | 27 41 | 0 | 36 | 24 48 | 15 24 | 26 12 | 1 56 | | | | |
| 21 | 10 31 | 10 ♐ 19 | 3 | 13 | 27 38 | 0 | 33 | 24 49 | 15 41 | 26 Rx 11 | 1 53 | | | | |
| ☉ | 11 32 | 22 32 | 3 | 54 | 27 35 | 0 | 30 | 24 51 | 15 56 | 25 58 | 1 49 | | | | |
| 23 | 12 34 | 5 ♑ 8 | 4 | 30 | 27 33 | 0 | 26 | 24 53 | 16 9 | 25 33 | 1 46 | | | | |
| 24 | 13 35 | 17 50 | 4 | 51 | 27 30 | 0 | 23 | 24 56 | 16 20 | 24 57 | 1 43 | | | | |
| 25 | 14 36 | 0 ♒ 37 | 5 | 3 | 27 28 | 0 | 19 | 25 0 | 16 28 | 24 8 | 1 40 | | | | |
| 26 | 15 37 | 13 49 | 4 | 58 | 27 25 | 0 | 15 | 25 5 | 16 35 | 23 8 | 1 37 | | | | |
| 27 | 16 38 | 27 8 | 4 | 37 | 27 23 | 0 | 11 | 25 11 | 16 39 | 21 59 | 1 34 | | | | |
| 28 | 17 39 | 10 ♓ 39 | 3 | 59 | 27 21 | 0 | 7 | 25 18 | 16 41 | 20 45 | 1 31 | | | | |
| ☉ | 18 40 | 24 17 | 3 | 10 | 27 19 | 0 | 2 | 25 26 | 16 Rx 39 | 19 27 | 1 27 | | | | |
| 30 | 19 41 | 8 ♈ 6 | 2 | 3 | 27 17 | 29 | 57 | 25 35 | 16 35 | 18 8 | 1 24 | | | | |
| 31 | 20 42 | 22 50 | 0 | 48 | 27 15 | 29 | 51 | 25 44 | 16 28 | 16 50 | 1 21 | | | | |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 9 | 1 | 1 | 1 | 56 | 1 | 56 | 2 | 13 | 1 |
| 2 | 8 | 1 | 2 | 2 | 3 | 1 | 20 | 2 | 5 | 6 |
| 2 | 7 | 1 | 3 | 2 | 8 | 0 | 41 | 1 | 38 | 11 |
| 2 | 6 | 1 | 5 | 2 | 12 | 0 N | 9 | 0 | 48 | 16 |
| 2 | 5 | 1 | 6 | 2 | 15 | 1 | 6 | 0 N | 32 | 21 |
| 2 | 4 | 1 | 8 | 2 | 17 | 2 | 12 | 2 | 4 | 26 |

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♐ | *Ad. Sun* | 11 □ 55 | | | 22 ✶ 24 | | | * Merchab | 12 |
| 2 | g | Libanus | | 2 ✶ 8 | | | 13 ✶ 57 | 18 □ 50 | ☌ ☽, at | 13 |
| 3 | a | Caſſian | 19 △ ☌ | | | | | | 9 ho. 47′ | 14 |
| 4 | b | Barbara | | | 8 △ 4 | | 19 □ 22 | | | 15 |
| 5 | c | Sabina | | | | | | 2 △ ☌ | | 16 |
| 6 | d | Nichol. | | 5 ☌ 5 | 8 □ 58 | ☌ ☌ 50 | 21 △ 58 | | * Aldebaran | 17 |
| 7 | e | Agat. M. | | | | | | | ☌ ☽, at | 18 |
| 8 | ♐ | 2 *Su. Ad.* | 3 8 47 | | 9 ✶ 26 | | | | 16 ho 34′ | 19 |
| 9 | g | Cyprian | | | | | | 13 8 46 | * Pollux ☌ ☽ | 20 |
| 10 | a | Eulalia | | 7 ✶ 30 | | 2 ✶ 18 | | | at 16 ho. 2′ | 21 |
| 11 | b | Damaſ. | | | | | 6 8 36 | | △ ☉ ♃ | 22 |
| 12 | c | Valerius | 20 △ 14 | 12 □ 47 | 17 ☌ 48 | 7 □ 3 | | | | 23 |
| 13 | d | Lucia V. | | | | | | | | 24 |
| 14 | e | Nicaſi. | | 21 △ 57 | | 16 △ ☌ | | 12 △ 56 | * Tail ☋ ☌ ☽ | 25 |
| 15 | ♐ | 3 *Su. Ad.* | 11 □ 45 | | | | | | at 1 h. 26′ | 26 |
| 16 | g | Ananias | | | | | 6 △ 13 | | △ ☌ ♀ | 27 |
| 17 | a | Lazarus | | | 15 ✶ 58 | | | 4 □ 57 | 16 day Vir. Spick | 28 |
| 18 | b | Rufus | 6 ✶ 11 | | | | 21 □ 7 | | ☌ ☽, at | 29 |
| 19 | c | Coth. | | 22 8 35 | | 16 8 42 | | 19 ✶ 30 | 17 ho. 24′ | 30 |
| 20 | d | Ammo. | | | 4 □ 37 | | | | | 31 |
| 21 | e | *S. Thom.* | | | | | 10 ✶ 44 | | 20 day Cor ♏ | *January* |
| 22 | ♐ | 4 *S. Ad.* | | | 15 △ 6 | | | | ☌ ☽, at | |
| 23 | g | Vict. &c. | 15 ☌ 14 | | | | | | 14 ho. 46′ | |
| 24 | a | Ignatius | | 18 △ 11 | | 13 △ 23 | | 13 ☌ 10 | | |
| 25 | ♑ | *Chriſtm.* | | | | | | | | 5 |
| 26 | c | *S. Steph.* | | | | 20 □ 26 | 4 ☌ 58 | | | 6 |
| 27 | d | *S. John* | | 0 □ 30 | 5 8 24 | | | | * Fomahant ☌ ☽, | 7 |
| 28 | e | *S. Innoc.* | 13 ✶ 16 | | | | | 15 ✶ 20 | at 6 ho. 14′ | 8 |
| 29 | ♐ | Jonat. | | 5 ✶ 13 | | 2 ✶ ☌ | | | ☌ ☉ ♀ | 9 |
| 30 | g | David | 21 □ 22 | | | | 14 ✶ 35 | *Orien.* | * Head of Androm | 10 |
| 31 | a | Silveſt. | | | 13 △ 20 | | | | ☌ ☽, at 3 ho. 40′ | 11 |

| | D | ♄ | ♊ | ♃ | ♌ | ♂ | ♊ | ☉ | ♊ | ☿ | ☌ | ♀ | ♒ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 7 | 20 | 55 | 11 | 29 | 20 | 7 | 21 | 34 | 17 | ♒ 46 | 1 □ ♃ ♀. 1 ✶ ♃ ☉ |
| Heliocentrick places of the Planets. | 6 | 1 | 18 | 21 | 19 | 14 | 2 | 25 | 14 | 29 | 37 | 7 | ♓ 10 | 3 8 ♃ ♀. 4 □ ♄ ♀ |
| | 11 | 1 | 29 | 21 | 42 | 16 | 35 | 0 | ♋ 19 | 7 | ♊ 40 | 29 | 45 | 7 ☌ ♄ ♀. 8 □ ☌ ♀ |
| | 16 | 1 | 40 | 22 | 6 | 19 | 5 | 5 | 26 | 15 | 45 | 26 | ♈ 17 | 11 ✶ ♄ ♀. 15 △ ♃ ♀ |
| | 21 | 1 | 51 | 22 | 30 | 21 | 35 | 10 | 31 | 23 | 50 | 26 | ☌ 30 | 20 □ ♃ ♀. 20 ✶ ♃ ♀ |
| | 26 | 2 | 3 | 22 | 34 | 24 | 2 | 15 | 37 | 1 | ♋ 55 | 28 | ♊ 23 | 22 ✶ ♃ ☌. 22 ☌ ♄ ♀ |

*The Radices of the Middle Motions of the Planets* January *the First*, 1706. *Old Stile, according to* SCIENTIA STELLARUM.

| | S. | °. | ′ | ″ |
|---|---|---|---|---|
| THE Progreſſion of the firſt ✱ of ♈ from the Vernal *Equinox*, | 0 | 29 | 5 | 01 |
| The middle Longitude of the Sun | 9 | 21 | 28 | 29 |
| The Aphelion of the Sun | 3 | 7 | 30 | 25 |
| The Anomaly of the Sun | 6 | 13 | 58 | 4 |
| The middle Longitude of the Moon | 8 | 28 | 35 | 00 |
| The Aphelion of the Moon | 6 | 2 | 25 | 00 |
| The Node Aſcend. of the Moon | 1 | 20 | 37 | 00 |
| The middle Motion of *Saturn* | 1 | 22 | 49 | 00 |
| The Aphelion of *Saturn* | 8 | 28 | 13 | 00 |
| The Node Aſcend. of *Saturn* | 3 | 21 | 36 | 00 |
| The middle Motion of *Jupiter* | 3 | 18 | 53 | 00 |
| The Aphelion of *Jupiter* | 6 | 10 | 9 | 00 |
| The Node Aſcend. of *Jupiter* | 3 | 7 | 19 | 00 |
| The middle Motion of *Mars* | 8 | 5 | 53 | 00 |
| The Aphelion of *Mars* | 5 | 1 | 8 | 00 |
| The Node Aſcend. of *Mars* | 1 | 18 | 00 | 00 |
| The middle Motion of *Venus* | 7 | 27 | 4 | 00 |
| The Aphelion of *Venus* | 10 | 1 | 35 | 00 |
| The Node Aſcend. of *Venus* | 2 | 14 | 24 | 00 |
| The middle Motion of *Mercury* | 2 | 3 | 46 | 00 |
| The Aphelion of *Mercury* | 8 | 13 | 4 | 00 |
| The Node Aſcend. of *Mercury* | 1 | 15 | 18 | 00 |

*End of the Ephemeris for the Year of the Chriſtian Æra* 1706.

AN

AN

# EPHEMERIS

OF THE

# Cœleſtial Motions

AND

# ASPECTS

For the Year of the Chriſtian *ÆRA* 1707.

Calculated for the Meridian of

# *LONDON:*

Whereto are number'd from

| | | | |
|---|---|---|---|
| The | Creation of the World | 5656 | Years. |
| | General Deluge | 4000 | |
| | Building of *London* | 2814 | |
| | Death of *Alexander the Great* | 2029 | |
| | Beginning of the *Julian* Year | 1750 | |
| | Paſſion and Death of Chriſt | 1674 | |
| | Flight of *Mahomet* | 1116 | |
| | Correction of the Calendar by P. *Gregory* | 125 | |

| *Julian* | | *Gregorian* |
|---|---|---|
| 17 | The Golden Number | 17 |
| 8 | The Cycle of the Sun | 8 |
| E | The Dominical Letters | A |
| 15 | The Roman Indiction | 15 |
| 7 | The Epacts | 27 |
| 23 | Number of Direction | 26 |

| *Julian* | | *Gregorian.* |
|---|---|---|
| *Febr.* 23 | *Shrove-Sunday* | 5 *Mar.* |
| *Apr.* 13 | *Eaſter Day* | 23 *Apr.* |
| *May* 28 | *Rogation Sunday* | 28 *May.* |
| *May* 22 | *Aſcenſion day* | 1 *June.* |
| *June* 1 | *Whit-Sunday* | 11 *June.* |
| *Nov.* 30 | *Advent Sunday* | 3 *Dec.* |

By *JOHN WING*, Mathemat.

*LONDON*, Printed in the Year 1702.

*The Calculation of the Sun's Ingreſs into the four Cardinal Signs, with the Planets Places reduc'd to that time.*

| *Tempus datum.* | Longitude ☉ S. | ° | ′ | ″ | Anomaly ☉ S. | ° | ′ | ″ | | S. | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1707 | 9 | 20 | 16 | 00 | 6 | 12 | 43 | 33 | ♄ | ♉ | 29 | 19 | 54 |
| *March* Day 9 | 2 | 7 | 01 | 26 | 2 | 7 | 01 | 15 | ♃ | ♌ | 22 | 8 | 06 |
| Hours 18 | | | 44 | 21 | | | 44 | 21 | ♂ | ♊ | 21 | 42 | 12 |
| 43′ 55″ | | | 1 | 48 | | | 1 | 48 | ♀ | ♒ | 15 | 24 | 53 |
| Mean Mot. ☉ | 11 | 28 | 03 | 35 | 8 | 20 | 30 | 57 | ☿ | ♈ | 0 | 56 | 51 |
| Proſthaph. add. | | 1 | 56 | 25 | | | | | ☽ | ♍ | 2 | 35 | 53 |
| Sun's Place. | ♈ | 00 | 00 | 00 | ☉ enters ♈ | | | | ☊ | ♈ | 27 | 42 | 39 |

*The Sun's Ingreſs into* ♋.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1707 | 9 | 20 | 16 | 00 | 6 | 12 | 43 | 33 | ♄ | ♊ | 10 | 26 | 34 |
| *June* Day 10 | 5 | 8 | 41 | 21 | 5 | 8 | 40 | 54 | ♃ | ♌ | 26 | 47 | 57 |
| Hours 19 | | | 46 | 49 | | | 46 | 49 | ♂ | ♌ | 14 | 23 | 38 |
| 5′ 47″ | | | | 14 | | | | 14 | ♀ | ♉ | 24 | 7 | 42 |
| Mean Mot. ☉ | 2 | 29 | 44 | 24 | 11 | 22 | 11 | 30 | ☿ | ♊ | 16 | 42 | 25 |
| Proſthaph. add. | | | 15 | 36 | | | | | ☽ | ♓ | 20 | 8 | 42 |
| Sun's Place. | ♋ | 00 | 00 | 00 | ☉ enters ♋ | | | | ☊ | ♈ | 22 | 45 | 37 |

*The Sun's Ingreſs into* ♎.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1707 | 9 | 20 | 16 | 00 | 6 | 12 | 43 | 33 | ♄ | ♊ | 18 | 00 | 20 |
| *Septemb.* Day 12 | 8 | 11 | 20 | 24 | 8 | 11 | 19 | 48 | ♃ | ♍ | 15 | 36 | 28 |
| Hours 8 | | | 19 | 43 | | | 19 | 43 | ♂ | ♎ | 13 | 28 | 25 |
| 15′ 12″ | | | | 37 | | | | 37 | ♀ | ♍ | 17 | 23 | 51 |
| Mean Mot. ☉ | 6 | 01 | 56 | 44 | 2 | 24 | 23 | 41 | ☿ | ♍ | 12 | 23 | 12 |
| Proſthaph. ſub. | | 1 | 56 | 44 | | | | | ☽ | ♍ | 3 | 30 | 31 |
| Sun's Place. | ♎ | 00 | 00 | 00 | ☉ enters ♎ | | | | ☊ | ♈ | 17 | 48 | 58 |

*The Sun's Ingreſs into* ♑.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epocha 1707 | 9 | 20 | 16 | 00 | 6 | 12 | 43 | 33 | ♄ | ♊ | 13 | 19 | 15 |
| *Decemb.* Day 10 | 11 | 9 | 03 | 45 | 11 | 9 | 02 | 44 | ♃ | ♎ | 0 | 11 | 38 |
| Hours 22 | | | 54 | 13 | | | 54 | 13 | ♂ | ♐ | 16 | 2 | 20 |
| 32′ 27″ | | | 1 | 20 | | | 1 | 20 | ♀ | ♑ | 9 | 46 | 30 |
| Mean Mot. ☉ | 9 | 00 | 15 | 18 | 5 | 22 | 41 | 50 | ☿ | ♑ | 6 | 7 | 4 |
| Proſthaph. ſub. | | | 15 | 18 | | | | | ☽ | ♐ | 11 | 11 | 38 |
| Sun's Place. | ♑ | 00 | 00 | 00 | ☉ enters ♑ | | | | ☊ | ♈ | 13 | 4 | 11 |

Of

## *Of the Eclipſes this preſent Year* 1707.

OF Six Eclipſes that will happen to the Earth's Inhabitants this preſent Year, only one, (and that a Lunar one) will be viſible here in *England*.

The Firſt is a ſmall Eclipſe of the Sun, the middle time whereof happens about the time of Sun-ſetting, on the 22d day of *March*, to be ſeen only in the Southern Parts of the Earth: but it being but a ſmall Defect, I forbear to mention it further.

The Second is a Total and Viſible Eclipſe of the Moon on the 6th of *April* in the Morning; of which ſee the following Calculation.

### *The Calculation.*

| | S °<br>D H | ′ | ″ |
|---|---|---|---|
| The middle Time of the true ☽, *April* | 5 13 | 26 | 46 |
| The Sun's true Place | ♈ 26 | 19 | 14 |
| The Moon's Eccentrick Place | ♎ 26 | 19 | 14 |
| The Moon's Node ſubſtract | 0 26 | 16 | 14 |
| The Argument of Latitude | 6 00 | 03 | 00 |
| The Equation of Time add | | 7 | 41 |
| The Apparent Time of the true ☽, *April* | 5 13 | 34 | 27 |
| The Sum of the Horozontal *Parallaxis* of ☉ and ☽ | | 53 | 51 |
| The Sun's Semidiameter Subſtr. | | 16 | 11 |
| The Apparent Semidiameter of the Earth's Shadow | | 37 | 40 |
| The Moon's Semidiameter Add | | 14 | 56 |
| The Sum of the Semidiameters | | 52 | 36 |
| The Moon's true Latitude So. Aſcend. Subſtr. | | 0 | 36 |
| The Scruples deficient | | 52 | 00 |
| The Digits eclipſed 20° 50′ 18″ | 20 | 50 | 18 |
| The Scruples of Incidence | | 52 | 36 |

The

| | D | H | ′ | ″ |
|---|---|---|---|---|
| The time of Incidence | | 1 | 54 | 8 |
| The total Duration | | 3 | 48 | 16 |
| The Continuance of total Darkneſs | | 1 | 38 | 34 |

HENCE

| The | | H | ′ | ″ | |
|---|---|---|---|---|---|
| | Beginning is at | 11 | 40 | 19 | P. M. |
| | Beginning of total Darkneſs | 12 | 45 | 10 | |
| | Middle | 13 | 34 | 27 | |
| | End of total Darkneſs | 14 | 23 | 44 | |
| | End of the Eclipſe | 15 | 28 | 35 | |

*A Type of this Eclipſe*

The Latitude of the Moon at the Beginning 4′ 22″ No. Deſcend.
The Latitude of the Moon at the End 5 35 So. Aſcend.

The

The Third is a ſmall inviſible Eclipſe of the Sun *April* 21ſt, at 2 in the Morning, and may be ſeen in *India*, and about the *Philippine* Iſlands

The Fourth is a very ſmall Inviſible Eclipſe of the Sun *September* the 14th near Midnight, to be ſeen of our Antipodes, *&c.*

The Fifth is a great inviſible Eclipſe of the Moon on the 30th day of *September* at high Noon, which falls exactly in the Meridian of our Antipodes, which will be very conſpicuous there and Parts thereto adjoining.

The Sixth and laſt is an Eclipſe of the Sun upon the 14th day of *October* near 3 Afternoon, but cannot be ſeen here in reſpect the South Latitude of the Moon is encreas'd by her Parallax; ſo that their Aggregate exceeds the Sum of the Semidiameters, tho' it will be ſeen in the Remote Southern Parts of the World; but in regard it is but a ſmall Defect, I ſhall forbear all further Inquiry at this time about it.

On the 9th day of *July* this preſent Year 1707, happens a famous Conjunction of *Jupiter* and *Mars* in *Virgo*, they being then Evening Stars, and the Difference of Latitude ſo ſmall, that they will ſeem almoſt to touch one another, which will be a curious Appearance to obſerve by the well affected to this Science.

The true time of the Conjunction, according to the Ephemeris, is found from the Logiſtical Logarithms as follows.

## *The* OPERATION.

| d. | S. | | d. | S. |
|---|---|---|---|---|
| *July* 9, at Noon ♃ is in ♍ | 1° 45′ | | *July* 9, at Noon ♂ is in ♍ | 1°38′ |
| *July* 10, at Noon ♃ is in ♍ | 2 01 | | *July* 10, at Noon ♂ is in ♍ | 2 15 |
| *Jupiter*'s diurnal Motion | 0 12 | | *Mars*'s diurnal Motion is | 0 37 |

Hence

| | | |
|---|---|---|
| Hence their diurnal Exceſs is | | 0° 25′ |
| ♃'s Place the 9th day at Noon is | ♍ | 1 49 |
| ♂'s Place the 9th day at Noon is | ♍ | 1 38 |
| The Diſtance of ♃ and Mars is | | 0 11 |

| | | | |
|---|---|---|---|
| Diſtance ♃ á ♂ | 0° 11′ | LL | 926324 |
| Diurnal Exceſs | 0 25 | LL | 961979 |
| True time of ♂ is 10 ho. | 33′ 36″ P. M. | LL | 964345 |

At which time

| | | |
|---|---|---|
| The Latitude of ♃ is | 1° 1′ 56″ | North |
| The Latitude of ♂ is | 1 3 38 | North |
| Hence ♂ is elevated above ♃ | 0 1 42 | |

JA-

## The Diurnal Motion of the Planets.

| Days | ☉ ♑ | ☽ ♉ | Lat. | ☽ | ♄ | ♉ | ♃ | ♌ | ♂ | ♉ | ♀ | ♒ | ☿ | ♑ | ☊ | ♉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 21 43 | 6 ♉ 5 | 0 N | 26 | 27 14 | | 29 46 | | 25 54 | | 16 18 | | 15 32 | | 1 18 | |
| 2 | 22 44 | 20 24 | 1 | 42 | 27 12 | | 29 41 | | 26 4 | | 16 5 | | 14 30 | | 1 14 | |
| 3 | 23 45 | 4 ♊ 47 | 2 | 50 | 27 11 | | 29 36 | | 26 15 | | 15 51 | | 13 29 | | 1 11 | |
| 4 | 24 46 | 19 15 | 3 | 47 | 27 9 | | 29 30 | | 26 26 | | 15 35 | | 12 35 | | 1 8 | |
| ☉ 5 | 25 48 | 3 ♋ 40 | 4 | 30 | 27 8 | | 29 25 | | 26 38 | | 15 17 | | 11 49 | | 1 5 | |
| 6 | 26 49 | 17 55 | 4 | 55 | 27 6 | | 29 19 | | 26 51 | | 14 57 | | 11 12 | | 1 1 | |
| 7 | 27 50 | 1 ♌ 57 | 5 | 0 | 27 5 | | 29 14 | | 27 4 | | 14 35 | | 10 43 | | 0 58 | |
| 8 | 28 51 | 15 42 | 4 | 54 | 27 3 | | 29 8 | | 27 18 | | 14 10 | | 10 23 | | 0 55 | |
| 9 | 29 52 | 29 10 | 4 | 30 | 27 2 | | 28 3 | | 27 32 | | 13 43 | | 10 14 | | 0 52 | |
| 10 | 0 ♒ 53 | 12 ♍ 7 | 3 | 52 | 26 0 | | 28 57 | | 27 48 | | 13 14 | | 10 12 | | 0 49 | |
| 11 | 1 54 | 24 43 | 3 | 2 | 26 59 | | 28 51 | | 28 4 | | 12 43 | | 10D 20 | | 0 46 | |
| ☉ | 2 55 | 7 ♎ 4 | 2 | 5 | 26 58 | | 28 45 | | 28 19 | | 12 10 | | 10 34 | | 0 42 | |
| 13 | 3 56 | 19 7 | 1 | 1 | 26 58 | | 28 38 | | 28 35 | | 11 36 | | 10 54 | | 0 39 | |
| 14 | 4 57 | 1 ♍ 1 | 0 S | 3 | 26 57 | | 28 32 | | 28 51 | | 11 0 | | 11 21 | | 0 36 | |
| 15 | 5 58 | 12 49 | 1 | 6 | 26 57 | | 28 25 | | 29 7 | | 10 24 | | 11 54 | | 0 33 | |
| 16 | 6 59 | 24 36 | 2 | 7 | 26 56 | | 28 19 | | 29 24 | | 9 47 | | 12 33 | | 0 29 | |
| 17 | 8 0 | 6 ♐ 31 | 3 | 3 | 26 56 | | 28 12 | | 29 41 | | 9 8 | | 13 14 | | 0 26 | |
| 18 | 9 1 | 18 38 | 3 | 50 | 26D 56 | | 28 6 | | 29 58 | | 8 30 | | 13 59 | | 0 23 | |
| ☉ | 10 2 | 0 ♑ 58 | 4 | 29 | 26 56 | | 27 59 | | 0 ♊ 16 | | 7 53 | | 14 48 | | 0 20 | |
| 20 | 11 3 | 13 36 | 4 | 52 | 26 56 | | 27 52 | | 0 34 | | 7 17 | | 15 41 | | 0 16 | |
| 21 | 12 4 | 26 34 | 5 | 2 | 26 57 | | 27 45 | | 0 52 | | 6 42 | | 16 39 | | 0 13 | |
| 22 | 13 5 | 9 ♒ 48 | 4 | 56 | 26 57 | | 27 37 | | 1 11 | | 6 7 | | 17 40 | | 0 10 | |
| 23 | 14 5 | 23 19 | 4 | 37 | 26 58 | | 27 30 | | 1 31 | | 5 34 | | 18 43 | | 0 7 | |
| 24 | 15 6 | 7 ♓ 54 | 4 | 3 | 26 59 | | 27 22 | | 1 52 | | 5 2 | | 19 47 | | 0 4 | |
| 25 | 16 7 | 20 58 | 3 | 14 | 27 0 | | 27 15 | | 2 13 | | 4 32 | | 20 53 | | 0 1 | |
| ☉ | 17 8 | 4 ♈ 57 | 2 | 10 | 27 1 | | 27 7 | | 2 34 | | 4 4 | | 22 0 | | 29 58 | |
| 27 | 18 9 | 18 59 | 0 | 40 | 27 2 | | 27 0 | | 2 56 | | 3 37 | | 23 9 | | 29 54 | |
| 28 | 19 9 | 3 ♉ 5 | 0 N | 16 | 27 3 | | 26 52 | | 3 18 | | 3 11 | | 24 20 | | 29 51 | |
| 29 | 20 10 | 17 13 | 1 | 30 | 27 4 | | 26 44 | | 3 40 | | 2 47 | | 25 33 | | 29 48 | |
| 30 | 21 11 | 1 ♊ 21 | 2 | 42 | 27 6 | | 26 36 | | 4 3 | | 2 25 | | 26 49 | | 29 45 | |
| 31 | 22 12 | 15 27 | 3 | 42 | 27 7 | | 26 28 | | 4 27 | | 2 5 | | 28 8 | | 29 42 | |

**The Latitude of the Planets**

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 1 | 9 | 2 | 18 | 3 | 41 | 3 | 15 | 1 |
| 2 | 1 | 1 | 10 | 2 | 18 | 4 | 55 | 3 | 16 | 6 |
| 1 | 59 | 1 | 11 | 2 | 17 | 6 | 8 | 2 | 38 | 11 |
| 1 | 58 | 1 | 12 | 2 | 16 | 7 | 9 | 1 | 47 | 16 |
| 1 | 56 | 1 | 13 | 2 | 15 | 7 | 47 | 0 | 54 | 21 |
| 1 | 55 | 1 | 14 | 2 | 14 | 8 | 0 | 0 | 6 | 26 |

JA-

## The Lunar Aſpects.

| Ja. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Occid. | ☿ Orien. | Planets Mutual Aſpects. | R.ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Circum. | | | | | 16□53 | 14△45 | * Pleiades | 12 |
| 2 | b | Marcar | 4 △10 | 11♂22 | 15□25 | 9 ♂35 | | | ♂ ☽, at | 13 |
| 3 | c | Enoch | | | | | 18△ 3 | | 48′ paſt 4 in the | 14 |
| 4 | d | Teleſph | | | 16✶58 | | | | Morn | 15 |
| 5 | e | Simeon | | | | | | 13 8 11 | | 16 |
| 6 | f | *Epiphany* | 6 8 19 | 15✶46 | | 15✶15 | | | △♄☉. △☉♂ | 17 |
| 7 | g | Juliana | | | | | 21 8 24 | | ♂♄♂ | 18 |
| 8 | a | Erhard | | 20□14 | 23♂46 | 21□ 3 | | | | 19 |
| 9 | b | Marcel | | | | | | 20△27 | | 20 |
| 10 | c | Nicanor | | | | | | | * Tail of ♌ | 21 |
| 11 | d | Hyginus | 15△13 | 4 △23 | | 6 △40 | | | ♂ ☽, at | 22 |
| 12 | e | 1 *aſt. Ep* | | | | | 9 △48 | 6 □53 | 10 ho. 15′ | 23 |
| 13 | f | Hila. B | | | 19✶ 2 | | | | □♃♂. * Shin. | 24 |
| 14 | g | Fælix | 8 □44 | | | | 19□19 | 22✶ 0 | Harp ♂☿, at | 25 |
| 15 | a | Maurit. | | | | | | | 14 ho. 46′ | 26 |
| 16 | b | Marcel. | | 4 8 42 | 7 □26 | 9 8 55 | | | | 27 |
| 17 | c | Antho. | 3 ✶19 | | | | 4 ✶56 | | ♂☉☿ | 28 |
| 18 | d | Priſca | | | 18△35 | | *Orien.* | | Aldebaran | 29 |
| 19 | e | 2 *aſt. Ep* | | | | | | | 5° 40′ 54″ ♊ | 30 |
| 20 | f | Fa. & Se. | | | | | | 4 ♂10 | ♂ Nat. ☽ | 31 |
| 21 | g | Agneta | | 0 △44 | | 8 △ 0 | 18♂23 | | | |
| 22 | a | Vincen. | 6 ♂18 | | | | | | | |
| 23 | b | Emer. | | 6 □22 | 7 8 15 | 14□44 | | | * Fomahant | |
| 24 | c | Timot. | | | | | | 23✶50 | ♂ ☽, at 11 ho. 2′ | |
| 25 | d | *Co. S. P.* | | 10✶22 | | 19✶17 | 22✶20 | | | 5 |
| 26 | e | 3 *aſt. Ep* | 22✶20 | | | | | | | 6 |
| 27 | f | Jo. Chry | | | 13△31 | | | 7 □53 | □♄♃ | 7 |
| 28 | g | Car. Ma. | | | | | 0 □12 | | △♂♀ | 8 |
| 29 | a | Valerius | 5 □20 | 16♂40 | 16□ 0 | | | 15△45 | | 9 |
| 30 | b | *K. Ch M* | | | | 4 ♂49 | 1 △48 | | △♄♀ | 10 |
| 31 | c | Syriac. | 12△32 | | 18✶48 | | | | | 11 |

*Feb.*

| | D | ♄ | ♊ | ♃ | ♌ | ♂ | ♊ | ☉ | ♍ | ♀ | ♍ | ☿ | ♌ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 2 | 16 | 23 | 21 | 27 | 1 | 21 | 43 | 11 | 38 | 4 | ♌28 | 5□♄♀. 5✶☉♀ |
| | 6 | 2 | 27 | 23 | 45 | 29 | 26 | 26 | 49 | 19 | 45 | 0 | ♎13 | 7✶♂♀. 11✶♄☉ |
| | 11 | 2 | 38 | 24 | 8 | 1 | ♍52 | 1 | ♌54 | 27 | 50 | 22 | 20 | 13✶♄♀. 13△♄♀ |
| | 16 | 2 | 49 | 24 | 32 | 4 | 15 | 6 | 59 | 5 | ♌57 | 11 | ♎20 | 13✶♀♀. 14□♂♀ |
| | 21 | 3 | 0 | 24 | 55 | 6 | 39 | 12 | 4 | 14 | 4 | 28 | 10 | 18♂☉♀. 20✶♃♀ |
| | 26 | 3 | 11 | 25 | 19 | 9 | 0 | 17 | 8 | 22 | 9 | 13 | ♏26 | 24△♂♀. 28♂♃♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ ♒ | ☽ ♊ | Lat. | ☽ | ♄ | ♃ | ♃ | ♂ | ♊ | ♀ ♒ | ☿ | ♌ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 23 12 | 29 22 | 4 N | 29 | 27 9 | 26 20 | 4 51 | 1 46 | | 29 29 | 29 39 | | |
| ☉ | 24 13 | 13♋15 | 4 | 56 | 27 11 | 26 12 | 5 15 | 1 29 | | 0♒51 | 29 35 | | |
| 3 | 25 13 | 27 3 | 5 | 3 | 27 12 | 26 5 | 5 39 | 1 18 | | 2 13 | 29 32 | | |
| 4 | 26 14 | 10♌38 | 4 | 57 | 27 14 | 25 57 | 6 4 | 1 10 | | 3 35 | 29 29 | | |
| 5 | 27 14 | 24 24 | 4 | 34 | 27 16 | 25 50 | 6 28 | 1 5 | | 4 58 | 29 26 | | |
| 6 | 28 15 | 7 ♍12 | 3 | 57 | 27 18 | 25 42 | 6 53 | 1 2 | | 6 21 | 29 23 | | |
| 7 | 29 15 | 20 5 | 3 | 12 | 27 20 | 25 35 | 7 18 | 1 0 | | 7 46 | 29 20 | | |
| 8 | 0♓16 | 2 ♎44 | 2 | 20 | 27 23 | 25 27 | 7 43 | 1 D | 1 | 9 13 | 29 17 | | |
| ☉ | 1 16 | 14 59 | 1 | 16 | 27 25 | 25 20 | 8 8 | 1 | 3 | 10 42 | 29 13 | | |
| 10 | 2 16 | 27 3 | ☽ | 10 | 27 28 | 25 12 | 8 34 | 1 | 5 | 12 12 | 29 10 | | |
| 11 | 3 16 | 8 ♏59 | 0 S | 54 | 27 31 | 25 4 | 9 0 | 1 | 15 | 13 44 | 29 7 | | |
| 12 | 4 17 | 20 46 | 1 | 56 | 27 34 | 24 57 | 9 26 | 1 | 25 | 15 17 | 29 4 | | |
| 13 | 5 17 | 2 ♐33 | 2 | 54 | 27 37 | 24 49 | 9 52 | 1 | 37 | 16 50 | 29 1 | | |
| 14 | 6 17 | 14 22 | 3 | 43 | 27 40 | 24 42 | 10 19 | 1 | 52 | 18 24 | 28 57 | | |
| 15 | 7 17 | 26 24 | 4 | 22 | 27 43 | 24 34 | 10 46 | 2 | 8 | 19 59 | 28 54 | | |
| ☉ | 8 18 | 8 ♑45 | 4 | 52 | 27 46 | 24 27 | 11 13 | 2 | 27 | 21 35 | 28 51 | | |
| 17 | 9 18 | 21 23 | 5 | 7 | 27 50 | 24 19 | 11 40 | 2 | 48 | 23 12 | 28 48 | | |
| 18 | 10 18 | 4 ♒19 | 5 | 7 | 27 53 | 24 11 | 12 7 | 3 | 10 | 24 50 | 28 44 | | |
| 19 | 11 18 | 17 44 | 4 | 48 | 27 57 | 24 3 | 12 34 | 3 | 34 | 26 29 | 28 41 | | |
| 20 | 12 18 | 1 ♓31 | 4 | 14 | 28 0 | 23 56 | 13 2 | 3 | 59 | 28 9 | 28 38 | | |
| 21 | 13 18 | 15 45 | 3 | 24 | 28 4 | 23 48 | 13 30 | 4 | 25 | 29 50 | 28 35 | | |
| 22 | 14 18 | 0 ♈ 2 | 2 | 24 | 28 8 | 23 41 | 13 58 | 4 | 52 | 1♓32 | 28 32 | | |
| ☉ | 15 18 | 14 36 | 1 | 15 | 28 11 | 23 34 | 14 26 | 5 | 21 | 3 16 | 28 29 | | |
| 24 | 16 18 | 29 11 | 0 N | 3 | 28 15 | 23 27 | 14 54 | 5 | 53 | 5 1 | 28 26 | | |
| 25 | 17 17 | 13♉41 | 1 | 19 | 28 19 | 23 20 | 15 22 | 6 | 28 | 6 47 | 28 23 | | |
| 26 | 18 17 | 28 42 | 2 | 33 | 28 23 | 23 14 | 15 51 | 7 | 4 | 8 34 | 28 19 | | |
| 27 | 19 17 | 12♊15 | 3 | 38 | 28 28 | 23 7 | 16 20 | 7 | 41 | 10 22 | 28 16 | | |
| 28 | 20 17 | 26 12 | 4 | 28 | 28 32 | 23 1 | 16 49 | 8 | 20 | 12 11 | 28 13 | | |

## The Latitude of the Planets.

| ♄ | S | ♅ | N | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54 | 1 | 14 | 2 | 13 | 7 | 58 | 0 | 44 | 1 |
| 1 | 52 | 1 | 15 | 2 | 12 | 7 | 34 | 1 | 18 | 6 |
| 1 | 51 | 1 | 15 | 2 | 10 | 6 | 58 | 1 | 44 | 11 |
| 1 | 49 | 1 | 16 | 2 | 9 | 6 | 18 | 2 | 1 | 16 |
| 1 | 48 | 1 | 16 | 2 | 7 | 5 | 47 | 2 | 9 | 21 |
| 1 | 47 | 1 | 16 | 2 | 5 | 4 | 52 | 2 | 6 | 26 |

## The Lunar Aſpects.

| Jan. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R. ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | Bridget | | | | | | | | 12 |
| 2 | ☾ | *Pu.V.M.* | | | | | | | ☌ ♀ ☿ | 13 |
| 3 | ☾ | Blaſe E. | | ☍ 17 | | 15 ✶ 40 | 7 8 25 | 10 8 10 | 8 ♃ ☉ | 14 |
| 4 | ☾ | Veroni. | | | *Occid.* | | | | | 15 |
| 5 | a | Agatha | 6 8 22 | 5 □ 55 | 3 ☌ 11 | 23 □ 20 | | | □ ♄ ☉ | 16 |
| 6 | b | Doroth. | | | | | | | △ ♂ ☿ | 17 |
| 7 | c | Zachar. | | 13 △ 48 | | | 20 △ 41 | | 5 day Cor ☾ | 18 |
| 8 | d | Corinr. | | | | 10 △ 6 | | 14 △ 28 | ☌ ♃, at 18 ho. 00′ | 19 |
| 9 | ☾ | *Septuag.* | | | 20 ✶ 22 | | | | * Arcturus | 20 |
| 10 | ☾ | Schola. | 11 △ 25 | | | | 8 □ 17 | | ☌ ☽, at | 21 |
| 11 | ☾ | Euphr. | | | | | | 11 □ 8 | 10 ho. 14′ | 22 |
| 12 | a | Euphra | | 13 8 55 | 8 □ 26 | | 21 ✶ 54 | | | 23 |
| 13 | b | Euſtac. | 5 □ 34 | | | 13 8 8 | | | * Antares | 24 |
| 14 | c | Valent. | | | 20 △ 40 | | | 9 ✶ 7 | ☌ ☽, at | 25 |
| 15 | d | Fauſtin. | 23 ✶ 16 | | | | | | 6 ho. 16′ | 26 |
| 16 | ☾ | *Sexage.* | | | | | | | | 27 |
| 17 | f | Dioſco. | | 12 △ 52 | | | 21 ☌ 11 | | 8 ♃ ☿ | 28 |
| 18 | g | Concor. | | | | 14 △ 23 | | | 19 day Rigel | *March* |
| 19 | a | Romin. | | 17 □ 52 | 10 8 53 | | | 17 ☌ 30 | ☌ ♂, at 8 h. 34′ | 4 |
| 20 | b | Mildre. | 19 ☌ 32 | | | 20 □ 8 | | | □ ♄ ☿ | 5 |
| 21 | c | Eſayas | | 20 ✶ 46 | | | 8 ✶ 10 | | □ ☉ ☌ | 6 |
| 22 | d | Ciner. | | | | 23 ✶ 40 | | | * H. Andromeda | 7 |
| 23 | ☾ | *Quinqu.* | | | 14 △ 39 | | | | ☌ ☽, at | 8 |
| 24 | f | S *Matt.* | | | | | 11 □ 32 | 11 ✶ 0 | 16 ho. 50′ | 9 |
| 25 | g | In. Pau. | 5 ✶ 27 | | 16 □ 8 | | | | * Head of Algol | 10 |
| 26 | a | Simeon | | 0 ☌ 35 | | | 15 △ 50 | 20 □ 23 | ☌ ☽, at | 11 |
| 27 | b | Neſtor | 13 □ 0 | | 18 ✶ 30 | 6 ☌ 48 | | | 14 ho. 01′ | |
| 28 | c | Roman | | | | | | | | |

| | D | ♄ | ♊ | ♃ | ♌ | ♂ | ♍ | ☉ | ♌ | ♀ | ♏ | ☿ | ♐ | Heliocentr. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 3 | 25 | 25 | 46 | 11 | 51 | 23 | 12 | 1 | 53 | 0 | ♐ 32 | 2 □ ♀ ♀. 2 □ ♄ ♀ |
| | 6 | 3 | 36 | 26 | 10 | 14 | 11 | 28 | 15 | 9 | 58 | 14 | 16 | 2 8 ♄ ♀. 3 ☌ ♃ ☉ |
| | 11 | 3 | 47 | 26 | 33 | 16 | 31 | 3 | ♍ 16 | 18 | 2 | 28 | 2 | 10 ✶ ♂ ♀. 10 △ ♃ ♀ |
| | 16 | 3 | 58 | 26 | 57 | 18 | 49 | 8 | 18 | 26 | 7 | 12 | ♎ 18 | 11 □ ♄ ☉. 14 ☐ ☉ ♀ |
| | 21 | 4 | 9 | 27 | 20 | 21 | 7 | 13 | 18 | 4 | ♎ 11 | 27 | 33 | 18 8 ♂ ♀. 21 △ ♄ ♀ |
| | 26 | 4 | 20 | 27 | 44 | 23 | 23 | 18 | 17 | 12 | 13 | 14 | ♏ 19 | 23 △ ♄ ♀. 25 △ ♀ ♀ |

MARCH

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | ☊ | Lat. | ☽ | ♄ | ♃ | ♅ | ♂ | ♀ | ☿ | ♓ | ☊ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | |
| 1 | 21 17 | 9 55 | 4 | N 58 | 28 37 | 22 5 | 17 18 | 9 0 | 14 2 | 28 10 | | | | |
| ☉ | 22 17 | 23 28 | 5 | 7 | 28 42 | 22 48 | 17 47 | 9 41 | 15 54 | 28 7 | | | | |
| 3 | 23 16 | 6 ♌ 52 | 5 | 5 | 28 46 | 22 43 | 18 16 | 10 23 | 17 46 | 28 4 | | | | |
| 4 | 24 16 | 20 34 | 4 | 45 | 28 51 | 22 37 | 18 46 | 11 5 | 19 39 | 28 0 | | | | |
| 5 | 25 16 | 3 ♍ 64 | 4 | 10 | 28 56 | 22 32 | 19 16 | 11 48 | 21 33 | 27 57 | | | | |
| 6 | 26 15 | 15 52 | 3 | 23 | 29 1 | 22 27 | 19 46 | 12 32 | 23 28 | 27 54 | | | | |
| 7 | 27 15 | 28 27 | 2 | 28 | 29 6 | 22 22 | 20 16 | 13 17 | 25 25 | 27 51 | | | | |
| 8 | 28 14 | 10 ♎ 57 | 1 | 27 | 29 11 | 22 17 | 20 47 | 14 3 | 27 23 | 27 48 | | | | |
| ☉ | 29 14 | 23 7 | 0 | 26 | 29 16 | 22 12 | 21 18 | 14 49 | 29 22 | 27 45 | | | | |
| 10 | 0 ♈ 13 | 5 ♏ 10 | 0 | S 40 | 29 21 | 22 7 | 21 49 | 15 35 | 1 ♈ 23 | 27 42 | | | | |
| 11 | 1 13 | 17 21 | 1 | 43 | 29 27 | 22 2 | 22 20 | 16 22 | 3 24 | 27 39 | | | | |
| 12 | 2 12 | 28 51 | 2 | 41 | 29 32 | 21 58 | 22 51 | 17 10 | 5 26 | 27 35 | | | | |
| 13 | 3 11 | 10 ♐ 38 | 3 | 33 | 29 38 | 21 53 | 23 22 | 17 59 | 7 28 | 27 32 | | | | |
| 14 | 4 11 | 22 32 | 4 | 16 | 29 43 | 21 49 | 23 53 | 18 49 | 9 30 | 27 29 | | | | |
| 15 | 5 10 | 4 ♑ 39 | 4 | 54 | 29 49 | 21 44 | 24 24 | 19 40 | 11 32 | 27 26 | | | | |
| ☉ | 6 9 | 16 50 | 5 | 7 | 29 54 | 21 40 | 24 55 | 20 31 | 13 34 | 27 23 | | | | |
| 17 | 7 9 | 29 28 | 5 | 11 | 0 0 | 21 36 | 25 26 | 21 23 | 15 36 | 27 20 | | | | |
| 18 | 8 8 | 12 ♒ 36 | 5 | 0 | 0 5 | 21 32 | 25 57 | 22 15 | 17 38 | 27 17 | | | | |
| 19 | 9 7 | 25 54 | 4 | 33 | 0 11 | 21 29 | 26 28 | 23 8 | 19 40 | 27 14 | | | | |
| 20 | 10 6 | 9 ♓ 40 | 3 | 47 | 0 17 | 21 26 | 27 0 | 24 3 | 21 41 | 27 11 | | | | |
| 21 | 11 5 | 24 9 | 2 | 45 | 0 23 | 21 23 | 27 32 | 24 58 | 23 42 | 27 7 | | | | |
| 22 | 12 4 | 8 ♈ 48 | 1 | 32 | 0 29 | 21 20 | 28 4 | 25 54 | 25 41 | 27 3 | | | | |
| ☉ | 13 3 | 23 41 | 0 | 16 | 0 35 | 21 18 | 28 36 | 26 50 | 27 36 | 27 0 | | | | |
| 24 | 14 2 | 8 ♉ 38 | 1 | N 1 | 0 41 | 21 15 | 29 8 | 27 47 | 29 26 | 26 57 | | | | |
| 25 | 15 1 | 23 30 | 2 | 17 | 0 48 | 21 13 | 29 40 | 28 44 | 1 ♉ 10 | 26 53 | | | | |
| 26 | 16 0 | 8 ♊ 11 | 3 | 24 | 0 54 | 21 10 | 0 ♋ 12 | 29 42 | 2 45 | 26 50 | | | | |
| 27 | 16 59 | 22 32 | 4 | 17 | 1 1 | 21 8 | 0 44 | 0 ♓ 40 | 4 17 | 26 47 | | | | |
| 28 | 17 58 | 6 ♋ 36 | 4 | 54 | 1 7 | 21 6 | 1 17 | 1 38 | 5 46 | 26 44 | | | | |
| 29 | 18 56 | 20 24 | 5 | 15 | 1 14 | 21 4 | 1 49 | 2 37 | 7 13 | 26 41 | | | | |
| ☉ | 19 55 | 3 ♌ 45 | 5 | 9 | 1 20 | 21 2 | 2 21 | 3 36 | 8 38 | 26 37 | | | | |
| 31 | 20 54 | 16 58 | 4 | 52 | 1 27 | 21 0 | 2 53 | 4 35 | 10 0 | 26 34 | | | | |

**The Latitude of the Planets.**

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 46 | 1 | 16 | 2 | 34 | 24 | 1 | 58 | 1 | |
| 1 | 45 | 1 | 15 | 2 | 13 | 41 | 1 | 37 | 6 | |
| 1 | 44 | 1 | 15 | 1 | 59 | 3 | 0 | 1 | 0 | 11 |
| 1 | 43 | 1 | 15 | 1 | 56 | 2 | 20 | ☽ | 14 | 16 |
| 1 | 42 | 1 | 14 | 1 | 54 | 1 | 42 | ☽ | N 44 | 21 |
| 1 | 41 | 1 | 14 | 1 | 51 | 1 | 4 | 1 | 39 | 26 |

## The Lunar Aspects.

| Ju.A. | W.D | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets Mutual Aspects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | David B. | 22 △ 40 | | | | | 8 △ 28 | Pollux | 12 |
| 2 | E | Quadr. | | 9 ✶ 25 | | | | | ☌ ☽, at | 13 |
| 3 | F | Cunig. | | | | 21 ✶ 37 | 6 8 44 | | 16 ho. 31′ | 14 |
| 4 | G | Adrian | | 16 □ 16 | 4 ☌ 42 | | | | | 15 |
| 5 | a | Phocas | | | | | | | 6 day Scheat | 16 |
| 6 | b | Frodel. | 21 8 30 | | | 7 □ 45 | | 16 8 8 | ☌ ♀, at | 17 |
| 7 | c | Perpet. | | 20 △ 37 | | | | | 22 ho. 00′ | 18 |
| 8 | d | Cypria. | | | 22 ✶ 10 | 20 △ 14 | 6 △ 32 | | ✶ ♄ ☿ | 19 |
| 9 | E | 2 S Lent | | | | | | Occid. | ✶ ♄ ☉. ☌ ☾ ♀ | 20 |
| 10 | F | Agapit. | | | | | 22 □ 20 | | ✶ ♃ ☌ | 21 |
| 11 | G | Oswin | | | 10 □ 5 | | | | | 22 |
| 12 | a | Grego. | 6 △ 47 | 1 8 20 | | | | 16 △ 28 | | 23 |
| 13 | b | Euphra. | | | 22 △ 34 | | 15 ✶ 56 | | | 24 |
| 14 | c | Eutych. | | | | 2 8 47 | | | Head Andromeda | 25 |
| 15 | d | Longin. | 1 □ 0 | | | | | 16 □ 23 | ☌ ♀, at | 26 |
| 16 | E | 3 S. Len. | | | | | | | 8 ho. 35′ | 27 |
| 17 | f | Gertr. | 17 ✶ 9 | 0 △ 56 | | | | | ☌ ♃ ♀ | 28 |
| 18 | g | Edw R. | | | 16 8 4 | | 18 ☌ 37 | 10 ✶ 48 | 19 day Propus | 29 |
| 19 | a | Joseph | | 7 □ 31 | | 1 △ 8 | | | ☌ ☌, at 15 ho. 45′ | 30 |
| 20 | b | Cuthb. | | | | | | | △ ♃ ♀ | 31 |
| 21 | c | Bened. | | 10 ✶ 17 | | 5 □ 54 | | | | April. |
| 22 | d | Aphro. | 6 ☌ 32 | | 20 △ 12 | | | | ☉ ecl. invisible | |
| 23 | E | M. L. Su | | | | 8 ✶ 10 | 5 ✶ 22 | 7 ☌ 10 | ✶ ♀ ☿ | |
| 24 | F | Quirin. | | | 20 □ 17 | | | | ✶ ☌ ♀ | |
| 25 | g | An. B.V. | | | | | 9 □ 8 | | | 5 |
| 26 | a | Castulus | | 12 ☌ 02 | | | | | Fomahant | 6 |
| 27 | b | Jo. Ere. | 13 ✶ 57 | | 21 ✶ 38 | | | | ☌ ♀, at 22 ho. 20′ | 7 |
| 28 | c | Gidecn | 21 □ 17 | | | 14 ☌ 35 | 15 △ 12 | 22 ✶ 20 | □ ♄ ♀. △ ☌ ☾ | 8 |
| 29 | d | Eustach | | | | | | | | 9 |
| 30 | E | 5 S. Len | | 21 ✶ 11 | | | | | Proycon ☌ ☽, | 10 |
| 31 | F | Balbina | 3 △ 0 | | 7 ☌ 1 | | | 10 □ 53 | at 2 ho. 26′ | 11 |
| | | | | | | | | | △ ♃ ☉ | |

| Heliocentrick places of the Planets. | D | ♄ | ♅ | ♃ | ♌ | ♂ | ♍ | ☉ | ♎ | ♀ | ♐ | ☿ | ♒ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 4 | 29 | 27 | 58 | 24 | 46 | 21 | 17 | 17 | 3 | 25 ♒ 22 | |
| | 6 | 4 | 40 | 28 | 20 | 27 | 1 | 26 | 15 | 25 | 4 | 15 ✶ 50 | |
| | 11 | 4 | 51 | 28 | 43 | 29 | 17 | 1 ♎ | 13 | 3 ♐ | 5 | 10 ♈ 2 | |
| | 16 | 5 | 2 | 29 | 7 | 1 ♌ | 31 | 6 | 9 | 11 | 6 | 7 ♉ 45 | |
| | 21 | 5 | 13 | 29 | 30 | 3 | 46 | 11 | 5 | 19 | 6 | 9 ♊ 28 | |
| | 26 | 5 | 24 | 29 | 54 | 5 | 59 | 16 | 0 | 27 | 4 | 11 ♋ 6 | |

| Heliocentr. Aspects | |
|---|---|
| 2 □ ♄ ♀. | 28 ♃ ☿ |
| 5 △ ♄ ☾. | 7 ✶ ☌ ☉ |
| 7 □ ☌ ♀. | 8 ✶ ♃ ♀ |
| 10 ✶ ♄ ♀. | 13 △ ♃ ♀ |
| 19 □ ♃ ♀. | 20 ☌ ♄ ♀ |
| 24 ✶ ♄ ☌. | 27 □ ♃ ♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | ☽ | Lat. | ☽ | ♄ | ♅ | ♃ | ♀ | ♂ | ♌ | ♀ | ♉ | ☊ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | |
| 1 | 21 52 | 29 45 | | 4 N | 19 | 1 34 | 20 59 | 3 25 | 5 34 | 11 20 | 26 31 | | | | |
| 2 | 22 51 | 12 ♍ 28 | | 3 | 33 | 1 40 | 20 58 | 3 58 | 6 34 | 12 33 | 26 28 | | | | |
| 3 | 23 49 | 24 58 | | 2 | 44 | 1 47 | 20 58 | 4 31 | 7 35 | 13 39 | 26 24 | | | | |
| 4 | 24 48 | 7 ♎ 19 | | 1 | 39 | 1 53 | 20 57 | 5 4 | 8 36 | 14 37 | 26 21 | | | | |
| 5 | 25 47 | 19 28 | | 0 | 36 | 2 0 | 20 57 | 5 37 | 9 37 | 15 25 | 26 18 | | | | |
| ☉ | 26 45 | 1 ♏ 37 | | 0 S | 28 | 2 7 | 20 D 57 | 6 10 | 10 39 | 16 4 | 26 15 | | | | |
| 7 | 27 44 | 13 33 | | 1 | 30 | 2 14 | 20 57 | 6 43 | 11 40 | 16 40 | 26 12 | | | | |
| 8 | 28 42 | 25 26 | | 2 | 29 | 2 21 | 20 57 | 7 17 | 12 41 | 17 12 | 26 9 | | | | |
| 9 | 29 40 | 7 ♐ 16 | | 3 | 22 | 2 28 | 20 58 | 7 50 | 13 42 | 17 40 | 26 5 | | | | |
| 10 | 0 ♉ 39 | 19 6 | | 4 | 6 | 2 35 | 20 58 | 8 23 | 14 44 | 18 5 | 26 2 | | | | |
| 11 | 1 37 | 1 ♑ 1 | | 4 | 32 | 2 42 | 20 59 | 8 57 | 15 46 | 18 26 | 25 59 | | | | |
| 12 | 2 35 | 13 4 | | 5 | 52 | 2 49 | 21 0 | 9 30 | 16 49 | 18 40 | 25 56 | | | | |
| ☉ | 3 34 | 25 20 | | 5 | 16 | 2 56 | 21 1 | 10 4 | 17 52 | 18 Rx | 47 | 25 53 | | | |
| 14 | 4 32 | 7 ♒ 55 | | 5 | 9 | 3 3 | 21 2 | 10 38 | 18 56 | 18 | 47 | 25 50 | | | |
| 15 | 5 30 | 20 49 | | 4 | 43 | 3 10 | 21 4 | 11 11 | 20 0 | 18 | 40 | 25 47 | | | |
| 16 | 6 28 | 4 ♓ 9 | | 4 | 6 | 3 17 | 21 6 | 11 45 | 21 4 | 18 | 26 | 25 44 | | | |
| 17 | 7 26 | 17 57 | | 3 | 10 | 3 25 | 21 8 | 12 19 | 22 8 | 18 | 9 | 25 41 | | | |
| 18 | 8 24 | 2 ♈ 12 | | 2 | 23 | 3 32 | 21 10 | 12 53 | 23 12 | 17 | 49 | 25 37 | | | |
| 19 | 9 22 | 16 50 | | 0 | 46 | 3 39 | 21 13 | 13 27 | 24 16 | 17 | 25 | 25 33 | | | |
| ☉ | 10 21 | 1 ♉ 49 | | 0 N | 32 | 3 47 | 21 15 | 14 1 | 25 20 | 16 | 58 | 25 30 | | | |
| 21 | 11 19 | 17 4 | | 1 | 51 | 3 54 | 21 18 | 14 35 | 26 25 | 16 | 29 | 25 27 | | | |
| 22 | 12 17 | 2 ♊ 9 | | 3 | 44 | 4 2 | 21 21 | 15 9 | 27 30 | 15 | 57 | 25 24 | | | |
| 23 | 13 15 | 17 10 | | 4 | 0 | 4 9 | 21 24 | 15 43 | 28 35 | 15 | 24 | 25 21 | | | |
| 24 | 14 13 | 1 ♋ 55 | | 4 | 44 | 4 17 | 21 27 | 16 18 | 29 41 | 14 | 50 | 25 18 | | | |
| 25 | 15 11 | 16 15 | | 5 | 6 | 4 24 | 21 31 | 16 52 | 0 ♈ 46 | 14 | 12 | 25 14 | | | |
| 26 | 16 9 | 0 ♌ 10 | | 5 | 11 | 4 32 | 21 34 | 17 27 | 1 52 | 13 | 33 | 25 11 | | | |
| ☉ | 17 7 | 13 50 | | 4 | 58 | 4 39 | 21 38 | 18 1 | 2 58 | 12 | 56 | 25 8 | | | |
| 28 | 18 4 | 26 50 | | 4 | 28 | 4 47 | 21 41 | 18 35 | 4 4 | 12 | 20 | 25 5 | | | |
| 29 | 19 2 | 9 ♍ 35 | | 3 | 40 | 4 54 | 21 45 | 19 10 | 5 10 | 11 | 48 | 25 2 | | | |
| 30 | 20 0 | 22 3 | | 2 | 48 | 5 2 | 21 49 | 19 44 | 6 16 | 11 | 18 | 24 59 | | | |

### The Latitude of the Planets.

| h | S | ♃ | N | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40 | 1 | 13 | 1 | 48 | 0 | 32 | 2 | 20 | 1 |
| 1 | 39 | 1 | 12 | 1 | 46 | 0 | 22 | 2 | 50 | 6 |
| 1 | 38 | 1 | 12 | 1 | 44 | 0 | S 27 | 2 | 44 | 11 |
| 1 | 37 | 1 | 11 | 1 | 42 | 0 | 50 | 2 | 6 | 16 |
| 1 | 36 | 1 | 10 | 1 | 39 | 1 | 10 | 1 | 0 | 21 |
| 1 | 35 | 1 | 9 | 1 | 37 | 1 | 27 | ☽ S | 24 | 26 |

A-

## The Lunar Aſpects.

| Ja.A. | W.D. | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Theod. | | 3 □28 | | 7 ✶15 | 11 8 56 | | | 12 |
| 2 | a | Ma. Eg. | | | | | | o △10 | * Tail of ☊ | 13 |
| 3 | b | Ulpian | | 13△26 | | 19□25 | | | ☌ ☽, at | 14 |
| 4 | c | Ambro | | | | | | | 9 ho. 38′ | 15 |
| 5 | d | Vince. | 13 8 34 | | 2 ✶56 | | | | ☽ eclipſed viſible | 16 |
| 6 | e | *Pal. Su.* | | | | 9 △36 | 19△47 | | * S. Ballance | 17 |
| 7 | f | Egeſip. | | | 14□57 | | | 6 8 36 | ☌ ☽, at | 18 |
| 8 | g | Dionyſ. | | 14 8 12 | | | | | 18 ho. 40′ | 19 |
| 9 | a | Vincent | | | | | 14□18 | | * Head of Hercules | 20 |
| 10 | b | Ezekiel | | | 3 △47 | | | | ☌ ☽, at | 21 |
| 11 | c | Leo Pa. | 1 △10 | | | 11 8 34 | | | 9 ho. 26′ | 22 |
| 12 | d | Julius | | | | | 8 ✶ 1 | 10△55 | | 23 |
| 13 | e | *Ea. Day* | 17□ o | 14△38 | | | | | | 24 |
| 14 | f | Tiburt. | | | | | | 20□ 2 | ✶♀ ☿ | 25 |
| 15 | g | Perpet. | | 22□27 | o 827 | | | | * Fomahant | 26 |
| 16 | a | Cariſius | 4 ✶17 | | | 13△46 | | | ☌ ☽, at 15 h. 48′ | 27 |
| 17 | b | Anicet. | | | | | 7 ☌37 | o ✶22 | * Merchab | 28 |
| 18 | c | Valeria. | | 2 ✶12 | | 18□18 | | | ☌ ☽, at | 29 |
| 19 | d | Timon | | | 7 △ o | | | | 2 ho. 25′ | 30 |
| 20 | e | *L Sund.* | 14☌23 | | | 19✶58 | | 23☌ o | ☉ eclipſ. inviſible | 1 |
| 21 | f | Simeon | | | 6 □45 | | 16✶ 2 | | | |
| 22 | g | Quintin | | 3 ☌ 1 | | | | | ✶☌♀ | *May* |
| 23 | a | S. *GEO.* | | | 6 ✶55 | | 20□20 | | | |
| 24 | b | Albert. | 22✶ 3 | | | | | 20✶27 | ☌☉☿ | |
| 25 | c | S. *Mark* | | | | 1 ☌11 | | *Orien.* | * Proycon | 6 |
| 26 | d | Cletus | | 7 ✶45 | | | 3 △15 | 22□32 | ☌ ☽, at | 7 |
| 27 | e | 2 *p. Ea.* | 6 □32 | | 14☌23 | | | | 9 ho. 30′ | 8 |
| 28 | f | Vitalis | | 15□ 6 | | | | | ✶♄ ♀ | 9 |
| 29 | g | P.deMi. | 19△40 | | | 19✶36 | | 4 △ 6 | ✶☉☌. * Pollus | 10 |
| 30 | a | Eutrop. | | | | | | | ☌☌, at 2 ho. 50′ | 11 |

| | D | ♄ | ♍ | ♃ | ♍ | ☌ | ♎ | ☉ | ♎ | ♀ | ♐ | ☿ | ♌ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 5 | 38 | o | 21 | 8 | 40 | 21 | 52 | 6 | 37 | 15 | ♌29 | 1 ☌ ♄ ♀. 3✶☉ ♀ |
| | 6 | 5 | 49 | o | 45 | 10 | 53 | 26 | 45 | 14 | 34 | 9 | ♑41 | 3△☌ ♀. 5□ ♄ ♀ |
| | 11 | 6 | o | 1 | 8 | 13 | 6 | 1 | ♏37 | 22 | 31 | o | ♎22 | 4☌ ♃ ♀. 10✶♃ ♀ |
| | 16 | 6 | 11 | 1 | 31 | 15 | 18 | 6 | 28 | o | ♐27 | 18 | 24 | 13△♄ ♀. 15✶☌ ♀ |
| | 21 | 6 | 22 | 1 | 54 | 17 | 30 | 11 | 19 | 8 | 23 | 4 | ♏32 | 16△♃ ♀. 19✶♃ ♀ |
| | 26 | 6 | 33 | 2 | 18 | 19 | 41 | 16 | 9 | 16 | 19 | 19 | 21 | 26✶☉ ♀. 26□☌ ♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☌ | ☽ | ♎ | Lat. ☽ | ♄ | ♊ | ♃ | ♌ | ♂ | ♋ | ♀ | ♈ | ☿ | ♉ | ♓ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | |
| 1 | 20 | 58 | 4 | ♎17 | 1 N | 50 | 5 | 10 | 21 | 53 | 20 | 19 | 7 | 22 | 10 | 50 | 24 | 55 |
| 2 | 21 | 56 | 16 | 26 | 0 | 45 | 5 | 18 | 21 | 58 | 20 | 53 | 8 | 29 | 10 | 24 | 24 | 52 |
| 3 | 22 | 53 | 28 | 27 | 0 S | 20 | 5 | 25 | 22 | 2 | 21 | 28 | 9 | 36 | 10 | 3 | 24 | 49 |
| ☉ | 23 | 51 | 10 | ♏24 | 1 | 21 | 5 | 33 | 22 | 7 | 22 | 3 | 10 | 43 | 9 | 47 | 24 | 46 |
| 5 | 24 | 49 | 22 | 17 | 2 | 19 | 5 | 41 | 22 | 12 | 22 | 37 | 11 | 50 | 9 | 35 | 24 | 43 |
| 6 | 25 | 47 | 4 | ♐ 9 | 3 | 11 | 5 | 49 | 22 | 17 | 23 | 12 | 12 | 58 | 9 | 27 | 24 | 40 |
| 7 | 26 | 45 | 16 | 2 | 3 | 57 | 5 | 57 | 22 | 23 | 23 | 47 | 14 | 5 | 9 | 23 | 24 | 37 |
| 8 | 27 | 42 | 27 | 58 | 4 | 33 | 6 | 4 | 22 | 28 | 24 | 22 | 15 | 13 | 9D | 27 | 24 | 34 |
| 9 | 28 | 40 | 9 | ♑57 | 4 | 58 | 6 | 12 | 22 | 34 | 24 | 57 | 16 | 20 | 9 | 31 | 24 | 30 |
| 10 | 29 | 37 | 22 | 8 | 5 | 9 | 6 | 20 | 22 | 39 | 25 | 32 | 17 | 28 | 9 | 40 | 24 | 27 |
| ☉ | 0 | ♊35 | 4 | ♒26 | 5 | 6 | 6 | 28 | 22 | 45 | 26 | 7 | 18 | 35 | 9 | 56 | 24 | 24 |
| 12 | 1 | 32 | 17 | 2 | 4 | 48 | 6 | 36 | 22 | 51 | 26 | 42 | 19 | 43 | 10 | 16 | 24 | 21 |
| 13 | 2 | 30 | 29 | 55 | 4 | 18 | 6 | 43 | 22 | 57 | 27 | 17 | 20 | 51 | 10 | 39 | 24 | 17 |
| 14 | 3 | 27 | 13 | ♓ 7 | 3 | 25 | 6 | 51 | 23 | 4 | 27 | 52 | 22 | c | 11 | 6 | 24 | 14 |
| 15 | 4 | 25 | 26 | 44 | 2 | 24 | 6 | 59 | 23 | 10 | 28 | 27 | 23 | 8 | 11 | 37 | 24 | 11 |
| 16 | 5 | 22 | 10 | ♈34 | 1 | 14 | 7 | 7 | 23 | 17 | 29 | 2 | 24 | 16 | 12 | 13 | 24 | 8 |
| 17 | 6 | 20 | 25 | 9 | 0 N | 5 | 7 | 14 | 23 | 23 | 29 | 38 | 25 | 25 | 12 | 53 | 24 | 5 |
| ☉ | 7 | 18 | 10 | ♉14 | 1 | 24 | 7 | 22 | 23 | 30 | 0 | ♌13 | 26 | 33 | 13 | 38 | 24 | 1 |
| 19 | 8 | 15 | 25 | 23 | 2 | 35 | 7 | 30 | 23 | 37 | 0 | 48 | 27 | 41 | 14 | 27 | 23 | 58 |
| 20 | 9 | 12 | 10 | ♊34 | 3 | 38 | 7 | 38 | 23 | 44 | 1 | 24 | 28 | 50 | 15 | 18 | 23 | 55 |
| 21 | 10 | 10 | 25 | 41 | 4 | 25 | 7 | 46 | 23 | 51 | 1 | 59 | 29 | 59 | 16 | 12 | 23 | 52 |
| 22 | 11 | 7 | 10 | ♋38 | 4 | 57 | 7 | 54 | 23 | 58 | 2 | 35 | 1 | ♉ 8 | 17 | 10 | 23 | 48 |
| 23 | 12 | 4 | 25 | 10 | 5 | 8 | 8 | 2 | 24 | 6 | 3 | 10 | 2 | 17 | 18 | 11 | 23 | 45 |
| 24 | 13 | 2 | 9 | ♌15 | 4 | 58 | 8 | 9 | 24 | 13 | 3 | 46 | 3 | 27 | 19 | 16 | 23 | 42 |
| ☉ | 13 | 59 | 22 | 52 | 4 | 33 | 8 | 17 | 24 | 21 | 4 | 21 | 4 | 36 | 20 | 25 | 23 | 39 |
| 26 | 14 | 56 | 6 | ♍33 | 3 | 52 | 8 | 25 | 24 | 28 | 4 | 57 | 5 | 45 | 21 | 38 | 23 | 36 |
| 27 | 15 | 53 | 18 | 48 | 3 | 1 | 8 | 33 | 24 | 36 | 5 | 32 | 6 | 55 | 22 | 55 | 23 | 33 |
| 28 | 16 | 51 | 1 | ♎16 | 1 | 58 | 8 | 41 | 24 | 44 | 6 | 8 | 8 | 4 | 24 | 14 | 23 | 29 |
| 29 | 17 | 48 | 13 | 24 | 0 | 53 | 8 | 48 | 24 | 52 | 6 | 43 | 9 | 13 | 25 | 35 | 23 | 26 |
| 30 | 18 | 45 | 25 | 26 | 0 S | 11 | 8 | 56 | 25 | 1 | 7 | 19 | 10 | 22 | 26 | 58 | 23 | 23 |
| 31 | 19 | 43 | 7 | ♏22 | 1 | 14 | 9 | 4 | 25 | 9 | 7 | 55 | 11 | 32 | 28 | 23 | 23 | 20 |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35 | 1 | 8 | 1 | 35 | 1 | 40 | 1 | 45 | 1 |
| 1 | 34 | 1 | 8 | 1 | 33 | 1 | 52 | 2 | 50 | 6 |
| 1 | 34 | 1 | 7 | 1 | 31 | 2 | 0 | 2 | 32 | 11 |
| 1 | 34 | 1 | 6 | 1 | 29 | 2 | 6 | 2 | 40 | 16 |
| 1 | 33 | 1 | 6 | 1 | 26 | 2 | 8 | 2 | 31 | 21 |
| 1 | 33 | 1 | 5 | 1 | 24 | 2 | 8 | 2 | 4 | 26 |

## The Lunar Aſpects.

| Jun. | W.D. | Saints Days | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | Ph.& Ja | | 1 △46 | | | 6 843 | | | 12 |
| 2 | ☾ | Athan. | | | 11✶ 8 | 9 □14 | | | □♃☉ | 13 |
| 3 | ♂ | Inv.Cr. | | | | | | 22 846 | * Procyon ♂♂ | 14 |
| 4 | ☿ | 3 p. Ea. | | | 23□50 | | | | at 11 ho. 40′ | 15 |
| 5 | ♃ | Gothar. | 5 832 | | | 0 △40 | | | 4 day Aldebaran | 16 |
| 6 | ♀ | Jo.P.L. | | 3 824 | | | 19△20 | | ♂♄, at | 17 |
| 7 | ☿ | Juvenal | | | 12△52 | | | | 18 ho. 00′ | 18 |
| 8 | ♄ | Staniſla. | | | | | | 23△ 8 | | 19 |
| 9 | ☾ | Ephin. | | | | | 13□43 | | * Shining Harp | 20 |
| 10 | ♂ | Gordi. | 15△50 | | | 7 8 4 | | | ♂☽, at | 21 |
| 11 | ☿ | 4 p.Eaſt | | 3 △55 | | | | 10□45 | 2 ho. 24′ | 22 |
| 12 | ♃ | Pancrat. | | | 10852 | | 5 ✶28 | | | 23 |
| 13 | ♀ | Servat. | 4 □45 | 12□31 | | | | 20✶14 | | 24 |
| 14 | ☿ | Bonif. | | | | | | | * Merchab ♂☽, | 25 |
| 15 | ♄ | Sophia | 14✶17 | 17✶52 | | 2 △56 | | | △♃☿ at 11 h. 2′ | 26 |
| 16 | ☾ | Perigr. | | | 22△48 | | | | | 27 |
| 17 | ♂ | Torper. | | | | 7 □25 | 0 ♂30 | | | 28 |
| 18 | ☿ | Ro. Su. | | Orien. | 21□11 | | | 5 ♂41 | ♂♄☉ | 29 |
| 19 | ♃ | Potent. | 21♂35 | 19♂20 | | 8 ✶55 | | | * Aldebaran | 30 |
| 20 | ♀ | Dunſtan | | | 21✶ 4 | | | | ♂☽, at 16 ho. 5′ | 31 |
| 21 | ☿ | Hoſpit. | | | | | 7 ✶27 | | | June |
| 22 | ♄ | Aſc.Day. | | | | | | 11✶35 | * Pollux ♂☽, | |
| 23 | ☾ | Deſid. | | 22✶ 2 | | 14♂13 | 13□14 | | at 14 ho. 7′ | |
| 24 | ♂ | Eſther | 7 ✶ 9 | | | | | 19□17 | □♂♀ | |
| 25 | ☿ | 6p.Eaſt. | | | 2 ♂43 | | 23△24 | | * S. Aſſellus | 5 |
| 26 | ♃ | Quadra. | 18□ 24 | □30 | | | | | ♂♂, at | 6 |
| 27 | ♀ | Beda V. | | | | | | 8 △51 | 9 ho. 20′ | 7 |
| 28 | ☿ | Germa. | | 14△50 | | 10✶ 6 | | | □♃♀ | 8 |
| 29 | ♄ | K.C.Na. | 9 △10 | | 23✶10 | | | | * Pleiades | 9 |
| 30 | ☾ | Wigand | | | | | | | ♂♀, at | 10 |
| 31 | ♂ | Petron. | | | | 1 □ 69 | 9 825 | | 4 ho. 41′ | 11 |

| | ☽ | ♄ | ♊ | ♃ | ♍ | ♂ | ♌ | ☉ | ♎ | ♀ | ♑ | ☿ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 16 | 45 | 2 | 41 | 21 | 51 | 20 | 58 | 24 | 13 | 3 | 23 | | 1□♃♀. 28♄☿ |
| | 6 6 | 56 | 3 | 5 | 24 | 4 | 25 | 47 | 2♒ | 8 | 17 | 5 | | 4□♂☉. 8△♄♀ |
| | 11 7 | 7 | 3 | 28 | 26 | 17 | 0 | 35 | 10 | 3 | 0♑ | 55 | | 9△♂♀. 12△♃☿ |
| | 16 7 | 18 | 3 | 51 | 28 | 28 | 5 | 22 | 17 | 58 | 15 | 21 | | 14□♃☉. 18 8 ♄☉ |
| | 21 7 | 29 | 4 | 14 | 0♍ | 38 | 10 | 10 | 25 | 54 | 0♒ | 51 | | 23△♄♀. 25 8 ♂♀ |
| | 26 7 | 40 | 4 | 38 | 2 | 48 | 14 | 56 | 3♓ | 50 | 18 | | | 0278 ♃♀. 28□♄♀ |

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☽ | Lat. | ♄ | ♅ | ♃ | ♌ | ♂ | ♌ | ♀ | ♉ | ☿ | ♉ | ☊ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| ☉ | 20 40 | 19 11 | 2 S 13 | 9 12 | 25 18 | 8 31 | 12 41 | 29 51 | 23 17 | | | | | | |
| 2 | 21 37 | 1 ♐ 2 | 3 5 | 9 20 | 25 27 | 9 6 | 13 50 | 1 ♍ | 23 23 14 | | | | | | |
| 3 | 22 34 | 12 56 | 3 50 | 9 28 | 25 36 | 9 42 | 15 0 | 2 58 | 23 10 | | | | | | |
| 4 | 23 31 | 24 55 | 4 24 | 9 35 | 25 45 | 10 18 | 16 10 | 4 36 | 23 7 | | | | | | |
| 5 | 24 29 | 6 ♑ 57 | 4 49 | 9 43 | 25 54 | 10 54 | 17 20 | 6 18 | 23 4 | | | | | | |
| 6 | 25 26 | 19 9 | 5 3 | 9 51 | 26 3 | 11 30 | 18 30 | 8 3 | 23 1 | | | | | | |
| 7 | 26 23 | 1 ♒ 29 | 5 3 | 9 58 | 26 13 | 12 6 | 19 41 | 9 50 | 22 58 | | | | | | |
| ☉ | 27 20 | 13 59 | 4 49 | 10 6 | 26 22 | 12 42 | 20 51 | 11 40 | 22 54 | | | | | | |
| 9 | 28 18 | 26 41 | 4 19 | 10 13 | 26 31 | 13 18 | 22 1 | 13 33 | 22 51 | | | | | | |
| 10 | 29 15 | 9 ♓ 38 | 3 35 | 10 21 | 26 40 | 13 55 | 23 12 | 15 29 | 22 48 | | | | | | |
| 11 | 0 ♋ 12 | 22 50 | 2 38 | 10 28 | 26 50 | 14 31 | 24 22 | 17 27 | 22 45 | | | | | | |
| 12 | 1 9 | 6 ♈ 24 | 1 30 | 10 36 | 26 59 | 15 7 | 25 32 | 19 27 | 22 42 | | | | | | |
| 13 | 2 6 | 20 20 | 0 13 | 10 43 | 27 9 | 15 44 | 26 43 | 21 29 | 22 39 | | | | | | |
| 14 | 3 3 | 4 ♉ 35 | 1 N 5 | 10 51 | 27 19 | 16 20 | 27 54 | 23 33 | 22 35 | | | | | | |
| ☉ | 4 0 | 19 15 | 2 18 | 10 58 | 27 29 | 16 57 | 29 4 | 25 40 | 22 32 | | | | | | |
| 16 | 4 58 | 4 ♊ 7 | 3 23 | 11 6 | 27 39 | 17 33 | 0 ♍ 15 | 27 48 | 22 29 | | | | | | |
| 17 | 5 55 | 19 16 | 4 14 | 11 13 | 27 50 | 18 10 | 1 26 | 29 57 | 22 26 | | | | | | |
| 18 | 6 52 | 4 ♋ 17 | 4 46 | 11 20 | 28 0 | 18 46 | 2 36 | 2 ♋ 7 | 22 23 | | | | | | |
| 19 | 7 49 | 19 0 | 5 0 | 11 27 | 28 10 | 19 23 | 3 47 | 4 18 | 22 19 | | | | | | |
| 20 | 8 46 | 3 ♌ 35 | 4 58 | 11 34 | 28 20 | 19 59 | 4 58 | 6 29 | 22 16 | | | | | | |
| 21 | 9 43 | 17 43 | 4 38 | 11 41 | 28 30 | 20 35 | 6 9 | 8 40 | 22 13 | | | | | | |
| ☉ | 10 40 | 1 ♍ 25 | 3 59 | 11 49 | 28 41 | 21 12 | 7 20 | 10 51 | 22 10 | | | | | | |
| 23 | 11 37 | 14 40 | 3 9 | 11 56 | 28 51 | 21 48 | 8 31 | 13 1 | 22 6 | | | | | | |
| 24 | 12 34 | 27 28 | 2 8 | 12 3 | 29 2 | 22 25 | 9 43 | 15 10 | 22 3 | | | | | | |
| 25 | 13 32 | 9 ♎ 54 | 1 5 | 12 10 | 29 12 | 23 1 | 10 54 | 17 17 | 22 0 | | | | | | |
| 26 | 14 29 | 22 4 | 0 S 0 | 12 17 | 29 23 | 23 38 | 12 5 | 19 23 | 21 57 | | | | | | |
| 27 | 15 26 | 4 ♏ 31 | 1 5 | 12 24 | 29 33 | 24 15 | 13 17 | 21 28 | 21 54 | | | | | | |
| 28 | 16 23 | 15 54 | 2 7 | 12 31 | 29 44 | 24 51 | 14 28 | 23 32 | 21 51 | | | | | | |
| ☉ | 17 20 | 27 43 | 3 2 | 12 38 | 29 55 | 25 28 | 15 40 | 25 34 | 21 48 | | | | | | |
| 30 | 18 18 | 9 ♐ 34 | 3 48 | 12 45 | 0 ♍ 6 | 26 5 | 16 51 | 27 34 | 21 45 | | | | | | |

### The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33 | 1 | 5 | 1 | 22 | 2 | 6 | 2 | 14 | 1 |
| 1 | 33 | 1 | 4 | 1 | 20 | 2 | 1 | 1 | 22 | 6 |
| 1 | 33 | 1 | 4 | 1 | 18 | 1 | 55 | 0 | 24 | 11 |
| 1 | 33 | 1 | 3 | 1 | 15 | 1 | 47 | 0 N | 30 | 16 |
| 1 | 33 | 1 | 3 | 1 | 13 | 1 | 37 | 1 | 12 | 21 |
| 1 | 33 | 1 | 2 | 1 | 11 | 1 | 27 | 1 | 40 | 26 |

## The Lunar Aſpects.

| Ju. A. | W. D | Saints Days. | ☉ | ♄ Occid. | ♃ Occid. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets Mutual Aſpects. | Ro. A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ☾ | *Wb. Sun.* | | | 12 □ 37 | | | | | 12 |
| 2 | f | Marcell. | | 16 8 56 | | 17 △ 7 | | 0 8 43 | ✶ ♄ ♂ | 13 |
| 3 | g | Eraſm. | 20 8 45 | | | | | | * Lions Heart | 14 |
| 4 | a | Petroc. | | | 1 △ 40 | | | | ♂ ♃, at 21 ho. 20′ | 15 |
| 5 | b | Bonif. | | | | | 22 △ 32 | | 4 day Aldebaran | 16 |
| 6 | c | Artem. | | | | | | | ♂ ♀ at 14 ho. 50′ | 17 |
| 7 | d | Paulus | | 16 △ 29 | | 21 8 24 | | 18 △ 47 | ✶ ♃ ☉ | 18 |
| 8 | ☾ | *Tr. Sun.* | | | 23 8 46 | | 14 □ 18 | | | 19 |
| 9 | f | Borni. | 2 △ 12 | | | | | | ✶ ♂ ♀ | 20 |
| 10 | g | Getuli. | | 1 □ 22 | | | | 12 □ 31 | * Merchab | 21 |
| 11 | a | *S. Barn.* | 13 □ 50 | | | | 3 ✶ 2 | | ♂ ☽, at | 22 |
| 12 | b | Baſiliſt. | | 7 ✶ 18 | | 17 △ 27 | | | 17 ho. 41′ | 23 |
| 13 | c | Cyrillus | 21 ✶ 11 | | 11 △ 38 | | | 2 ✶ 18 | □ ♃ ♀ | 24 |
| 14 | d | Valerius | | | | 20 □ 3 | | | | 25 |
| 15 | ☾ | *1 p. Tri.* | | | 13 □ 26 | | 17 ♂ 12 | | | 26 |
| 16 | f | Rowlan | | 11 ♂ 8 | | 22 ✶ 2 | | | ✶ ♃ ☿ | 27 |
| 17 | g | Botolph | | | 13 ✶ 52 | | | 19 ♂ 58 | | 28 |
| 18 | a | Marcus | 4 ♂ 30 | | | | | | * Sirius ♂ ☽, | 29 |
| 19 | b | Gervaſe | | | | | | | at 9 ho. 30′ | 30 |
| 20 | c | Regina | | 13 ✶ 31 | | | 2 ✶ 37 | | | 31 |
| 21 | d | Walb. | | | 18 ♂ 9 | 5 ♂ 14 | | *Occid.* | ♂ ☉ ♀ | *July.* |
| 22 | ☾ | *2 p. Tri.* | 18 ✶ 27 | 19 □ 1 | | | 11 □ 46 | 20 ✶ 19 | | |
| 23 | f | Baſilius | | | | | | | * Tail of ☋ ♂ ☽, | |
| 24 | g | *S. J. Ba.* | | | | | | | at 5 ho. 17′ | |
| 25 | a | Amand. | 7 □ 34 | 4 △ 32 | | | 2 △ 11 | 17 □ 35 | | 6 |
| 26 | b | Jeremi. | | | 14 ✶ 38 | 3 ✶ 18 | | | ♂ ♄ ♀ | 7 |
| 27 | c | Sep. Do. | | | | | | | * Rigel ♂ ♀, at | 8 |
| 28 | d | Leo Pa. | 0 △ 56 | | | 19 □ 11 | | 18 △ 41 | 16 ho. 20′ | 9 |
| 29 | ☾ | *SP & Pa.* | | | 4 □ 33 | | | | * Cor ♌ ♂ ♂, | 10 |
| 30 | f | Lucina | | 6 8 22 | | | 16 8 7 | | at 10 h. 23′. | 11 |

| | D | ♄ | ♊ | ♃ | ♍ | ♂ | ♍ | ☉ | ♐ | ♀ | ♓ | ☿ | ♓ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick Places of the Planets. | 1 | 7 | 54 | 5 | 4 | 5 | 27 | 20 | 40 | 13 | 21 | 11 | ♓ 42 | 2 ♂ ♃ ♂. 2 ♂ ♀ ☿ |
| | 6 | 8 | 5 | 5 | 27 | 7 | 38 | 25 | 26 | 21 | 17 | 5 | ♈ 3 | 7 ✶ ♄ ☿. 8 □ ♄ ♂ |
| | 11 | 8 | 16 | 5 | 50 | 9 | 49 | 0 | ♑ 12 | 29 | 15 | 2 | ♉ 29 | 12 △ ♃ ☿. 13 △ ♂ ☿ |
| | 16 | 8 | 27 | 6 | 14 | 12 | 1 | 4 | 58 | 7 | ♈ 13 | 3 | ♊ 18 | 17 ✶ ♄ ☿. 17 □ ♃ ☿ |
| | 21 | 8 | 38 | 6 | 37 | 14 | 13 | 9 | 43 | 15 | 12 | 5 | ♋ 8 | 18 ♂ ♄ ☿. 21 ✶ ♃ ☿ |
| | 26 | 8 | 49 | 7 | 0 | 16 | 25 | 14 | 29 | 23 | 12 | 4 | ♌ 49 | 23 □ ☿ ☿. 27 ✶ ♄ ☿ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☋ | ☽ | ☍ | Lat. | ☽ | ♄ | ♅ | ♃ | ♍ | ♂ | ♌ | ♀ | ♅ | ☿ | ☋ | ♇ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 19 | 15 | 21 | 34 | 4 S | 24 | 12 | 52 | ☽ | 17 | 26 | 42 | 18 | 3 | 29 | 33 | 21 | 41 |
| 2 | 20 | 12 | 3 | ♎38 | 4 | 47 | 12 | 59 | ☽ | 28 | 27 | 18 | 19 | 15 | 1 | ♌30 | 21 | 38 |
| 3 | 21 | 9 | 15 | 49 | 4 | 58 | 13 | 6 | ☽ | 39 | 27 | 55 | 20 | 27 | 3 | 25 | 21 | 35 |
| 4 | 22 | 6 | 28 | 14 | 5 | 0 | 13 | 12 | ☽ | 51 | 28 | 22 | 21 | 38 | 5 | 18 | 21 | 32 |
| 5 | 23 | 3 | 10 | ♒53 | 4 | 47 | 13 | 19 | ♂ | 2 | 29 | 9 | 22 | 50 | 7 | 8 | 21 | 29 |
| ☉ | 24 | 1 | 23 | 42 | 4 | 19 | 13 | 25 | ♂ | 14 | 29 | 46 | 24 | 1 | 8 | 57 | 21 | 26 |
| 7 | 24 | 58 | 6 | ♓38 | 3 | 38 | 13 | 32 | ♂ | 25 | 0 | ♍23 | 25 | 15 | 10 | 45 | 21 | 23 |
| 8 | 25 | 55 | 19 | 51 | 2 | 42 | 13 | 38 | ♂ | 37 | 1 | 0 | 26 | 25 | 12 | 32 | 21 | 19 |
| 9 | 26 | 53 | 3 | ♈13 | 1 | 37 | 13 | 45 | ♂ | 49 | 1 | 38 | 27 | 37 | 14 | 17 | 21 | 16 |
| 10 | 27 | 50 | 16 | 49 | 0 | 24 | 13 | 51 | ♃ | 1 | 2 | 15 | 28 | 49 | 16 | 0 | 21 | 13 |
| 11 | 28 | 47 | 0 | ♉39 | 0 N | 52 | 13 | 58 | ♃ | 13 | 2 | 53 | 0 | ♋ | 1 | 17 | 41 | 21 | 10 |
| 12 | 29 | 44 | 14 | 42 | 2 | 8 | 14 | 4 | ♃ | 24 | 3 | 30 | 1 | 13 | 19 | 21 | 21 | 7 |
| ☉ | 0 | ♌42 | 29 | 0 | 3 | 13 | 14 | 10 | ♃ | 36 | 4 | 8 | 2 | 25 | 20 | 59 | 21 | 4 |
| 14 | 1 | 39 | 13 | ♊28 | 4 | 5 | 14 | 17 | ♃ | 48 | 4 | 45 | 3 | 37 | 22 | 36 | 21 | 1 |
| 15 | 2 | 36 | 28 | 3 | 4 | 42 | 14 | 23 | ♃ | 0 | 5 | 23 | 4 | 49 | 24 | 11 | 20 | 57 |
| 16 | 3 | 34 | 12 | ♋41 | 5 | 1 | 14 | 29 | ♃ | 12 | 6 | 0 | 6 | 1 | 25 | 44 | 20 | 54 |
| 17 | 4 | 31 | 27 | 13 | 5 | 0 | 14 | 35 | ♃ | 25 | 6 | 38 | 7 | 13 | 27 | 16 | 20 | 51 |
| 18 | 5 | 29 | 11 | ♌32 | 4 | 41 | 14 | 41 | ♃ | 37 | 7 | 15 | 8 | 26 | 28 | 46 | 20 | 48 |
| 19 | 6 | 26 | 25 | 42 | 4 | 9 | 14 | 47 | ♃ | 49 | 7 | 53 | 9 | 38 | 0 | ♍14 | 20 | 45 |
| ☉ | 7 | 24 | 9 | ♍28 | 3 | 21 | 14 | 53 | ♄ | 2 | 8 | 30 | 10 | 50 | 1 | 40 | 20 | 42 |
| 21 | 8 | 22 | 22 | 43 | 2 | 24 | 14 | 59 | ♄ | 14 | 9 | 8 | 12 | 2 | 3 | 5 | 20 | 39 |
| 22 | 9 | 19 | 5 | ♎34 | 1 | 20 | 15 | 4 | ♄ | 26 | 9 | 46 | 13 | 15 | 4 | 28 | 20 | 35 |
| 23 | 10 | 16 | 18 | 9 | 0 | 13 | 15 | 10 | ♄ | 38 | 10 | 24 | 14 | 28 | 5 | 49 | 20 | 32 |
| 24 | 11 | 13 | 0 | ♏19 | 0 S | 54 | 15 | 15 | ♄ | 50 | 11 | 1 | 15 | 40 | 7 | 7 | 20 | 29 |
| 25 | 12 | 11 | 12 | 16 | 1 | 58 | 15 | 21 | ♄ | 3 | 11 | 39 | 16 | 53 | 8 | 29 | 20 | 26 |
| 26 | 13 | 8 | 24 | 7 | 2 | 54 | 15 | 26 | ♄ | 15 | 12 | 17 | 18 | 6 | 9 | 37 | 20 | 22 |
| ☉ | 14 | 6 | 5 | ♐54 | 3 | 40 | 15 | 31 | ♄ | 28 | 12 | 54 | 19 | 18 | 10 | 49 | 20 | 19 |
| 28 | 15 | 3 | 17 | 40 | 4 | 23 | 15 | 36 | ♄ | 40 | 13 | 32 | 20 | 31 | 11 | 59 | 20 | 16 |
| 29 | 16 | 1 | 29 | 39 | 4 | 48 | 15 | 41 | ♄ | 53 | 14 | 10 | 21 | 44 | 13 | 7 | 20 | 13 |
| 30 | 16 | 58 | 11 | ♑50 | 5 | 3 | 15 | 46 | ♄ | 5 | 14 | 48 | 23 | 56 | 14 | 13 | 20 | 9 |
| 31 | 17 | 56 | 24 | 11 | 5 | 4 | 15 | 51 | ♄ | 18 | 15 | 26 | 24 | 9 | 15 | 17 | 20 | 6 |

## The Latitude of the Planets

| ♄ | S | ♃ | N | ♂ | N | ♀ | S | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33 | 1 | 2 | 1 | 8 | 1 | 14 | 1 | 49 | 1 |
| 1 | 34 | 1 | 2 | 1 | 5 | 1 | 11 | 39 | 6 | |
| 1 | 34 | 1 | 2 | 1 | 3 | 0 | 47 | 1 | 18 | 11 |
| 1 | 34 | 1 | 2 | 1 | 1 | 0 | 31 | 0 | 46 | 16 |
| 1 | 35 | 1 | 1 | 0 | 58 | 0 | 19 | 0 | 5 | 21 |
| 1 | 35 | 1 | 1 | 0 | 56 | 0 | 7 | 0 | S 42 | 26 |

## The Lunar Aspects.

| Ju. A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ☽ Occid. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets Mutual Aspects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | g | Tr. Sir. | | | 17△34 | 10△46 | | | | 12 |
| 2 | a | Vis.Ma | | | | | | | * Præcepe | 13 |
| 3 | b | Cornel | 11 8 8 | | | | | | ♂ ♀, at | 14 |
| 4 | c | Ulricus | | | | | | 15 8 41 | 21 ho. 31′ | 15 |
| 5 | d | Anselm. | | 4 △37 | | | | | | 16 |
| 6 | e | 4 p. Tri | | | 14 8 12 | 11 8 48 | 0 △40 | | * Fomahant | 17 |
| 7 | f | Becket | | 12□38 | | | | | ♂ ☽, at | 18 |
| 8 | g | Grimb. | 11△43 | | | | 12□58 | | 11 ho. 00′ | 19 |
| 9 | a | Cyr.Ep | | 18✶44 | | | | 22△20 | ♂ ♃ ♂. 10 h. 33′ | 20 |
| 10 | b | 7 Frat. | 20□31 | | | | 22✶44 | | 8 day Propus | 21 |
| 11 | c | Bened. | | | 2 △44 | 4 △ 0 | | | ♂ ♀, at | 22 |
| 12 | d | Nab.&c. | | | | | | 8 □48 | 8 ho. 00′ | 23 |
| 13 | e | 5 p. Tri. | 3 ✶ 0 | | 6 □ 35 | □27 | | | ✶♃♀ | 24 |
| 14 | f | Bonav. | | 1 ♂24 | | | | 16✶52 | | 25 |
| 15 | g | Swithin | | | 8 ✶13 | 12✶34 | 12♂ 4 | | | 26 |
| 16 | a | Kenel. | | | | | | | ✶♂♀ | 27 |
| 17 | b | Hilarius | 13♂ 6 | | | | | | * S. Afellus | 28 |
| 18 | c | Alexius | | 5 ✶24 | | | | | ♂ ☽, at | 29 |
| 19 | d | Matern. | | | 14♂21 | 22♂12 | | 8 ♂50 | 12 h. 23′ | 30 |
| 20 | e | 6 p. Tr. | | 9 □53 | | | 2 ✶44 | | | 31 |
| 21 | f | Praxeda | | | | | | | | |
| 22 | g | M. Mag. | 7 ✶44 | 18✶15 | | | 16□ 4 | | ♂ ♃ ☿ | Aug. |
| 23 | a | Apoll. | | | | | | | | |
| 24 | b | Christi. | 23□48 | | 9 ✶14 | 22✶40 | | 15✶20 | | |
| 25 | c | S. James | | | | | 10△22 | | * N. Ballance | 5 |
| 26 | d | Anna | | | 23□ 8 | | | | ♂ ☽, at | 6 |
| 27 | e | 7 p. Tri | 18△11 | 19 8 14 | | 15□ 5 | | 11□ 9 | 3 h. 34′ | 7 |
| 28 | f | Panthal | | | | | | | ✶♄☉ | 8 |
| 29 | g | Fæl.&c. | | | 12△28 | | | | | 9 |
| 30 | a | Abdon | | | | 6 △ 4 | 23 8 56 | 4 △58 | | 10 |
| 31 | b | Germ. | | | | | | | □♄♂. □♄♀ | 11 |

| | ☽ | ♄ | ♊ | ♃ | ♍ | ♂ | ♍ | ☉ | ♎ | ☿ | ♉ | ♀ | ♍ | Heliocentr. Aspects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 9 | 2 | 7 | 22 | 18 | 37 | 19 | 15 | 1 | 12 | 0 | ♍39 | 1△♀ ☿. 3♂♃ ♀ |
| Heliocentrick places of the Planets. | 6 | 9 | 13 | 7 | 46 | 20 | 49 | 24 | 1 | 9 | 13 | 22 | 35 | 5△♃ ♀. 5♂♂ ☿ |
| | 11 | 9 | 24 | 8 | 9 | 23 | 2 | 28 | 47 | 17 | 14 | 11 | ♎33 | 7△☉ ☿. 14△☉ ♀ |
| | 16 | 9 | 35 | 8 | 32 | 25 | 15 | 3 | ♏34 | 25 | 17 | 28 | 22 | 19✶♃ ♀. 16△♂ ♀ |
| | 21 | 9 | 46 | 8 | 55 | 27 | 29 | 8 | 22 | 3 | ♐21 | 13 | ♏28 | 22△♄ ☉. 25♂♄ ☿ |
| | 26 | 9 | 57 | 9 | 18 | 29 | 43 | 13 | 8 | 11 | 26 | 27 | 56 | 25□♃ ♀. 28✶♂ ♀ |

AU-

## The Diurnal Motion of the Planets.

| Days. | ☉ | ☋ | ☽ | ♒ | Lat. | ☽ | ♄ | ♅ | ♃ | ♍ | ♂ | ♍ | ♀ | ♋ | ☿ | ♍ | ♌ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ | ° | ′ |
| 1 | 18 | 54 | 6 | 51 | 4 S | 49 | 15 | 56 | 6 | 30 | 16 | 4 | 25 | 21 | 16 | 19 | 20 | 3 |
| 2 | 19 | 51 | 19 | 46 | 4 | 21 | 16 | 1 | 6 | 43 | 16 | 42 | 26 | 34 | 17 | 18 | 20 | 0 |
| ☉ | 20 | 49 | 2 | ♓54 | 3 | 40 | 16 | 6 | 6 | 56 | 17 | 21 | 27 | 47 | 18 | 13 | 19 | 56 |
| 4 | 21 | 47 | 16 | 17 | 2 | 49 | 16 | 10 | 7 | 8 | 17 | 59 | 29 | 0 | 19 | 4 | 19 | 53 |
| 5 | 22 | 44 | 29 | 49 | 1 | 45 | 16 | 15 | 7 | 21 | 18 | 37 | 0 | ☋13 | 19 | 52 | 19 | 50 |
| 6 | 23 | 42 | 13 | ♈30 | 0 | 34 | 16 | 19 | 7 | 34 | 19 | 15 | 1 | 27 | 20 | 36 | 19 | 47 |
| 7 | 24 | 40 | 27 | 25 | 0 N | 41 | 16 | 24 | 7 | 47 | 19 | 54 | 2 | 40 | 21 | 17 | 19 | 44 |
| 8 | 25 | 38 | 11 | ♉25 | 1 | 56 | 16 | 28 | 7 | 59 | 20 | 32 | 3 | 53 | 21 | 55 | 19 | 40 |
| 9 | 26 | 36 | 25 | 20 | 3 | 4 | 16 | 33 | 8 | 12 | 21 | 10 | 5 | 6 | 22 | 29 | 19 | 37 |
| ☉ | 27 | 34 | 9 | ♊28 | 3 | 58 | 16 | 37 | 8 | 25 | 21 | 49 | 6 | 20 | 22 | 59 | 19 | 34 |
| 11 | 28 | 32 | 23 | 38 | 4 | 40 | 16 | 41 | 8 | 38 | 22 | 27 | 7 | 33 | 23 | 26 | 19 | 31 |
| 12 | 29 | 30 | 7 | ♋49 | 5 | 3 | 16 | 45 | 8 | 51 | 23 | 6 | 8 | 47 | 23 | 47 | 19 | 28 |
| 13 | 0 | ♍28 | 22 | 1 | 5 | 13 | 16 | 49 | 9 | 4 | 23 | 44 | 10 | 0 | 24 | 2 | 19 | 25 |
| 14 | 1 | 26 | 6 | ☋10 | 4 | 51 | 16 | 53 | 9 | 16 | 24 | 23 | 11 | 14 | 24 | 13 | 19 | 21 |
| 15 | 2 | 24 | 20 | 10 | 4 | 20 | 16 | 57 | 9 | 29 | 25 | 1 | 12 | 27 | 24 | 18 | 19 | 18 |
| 16 | 3 | 22 | 3 | ♍55 | 3 | 33 | 17 | 0 | 9 | 42 | 25 | 40 | 13 | 41 | 24 Rx | | 17 | 19 | 15 |
| ☉ | 4 | 20 | 17 | 27 | 2 | 38 | 17 | 4 | 9 | 55 | 26 | 18 | 14 | 54 | 24 | 11 | 19 | 12 |
| 18 | 5 | 18 | 0 | ♎38 | 1 | 36 | 17 | 7 | 10 | 8 | 26 | 57 | 16 | 8 | 23 | 57 | 19 | 9 |
| 19 | 6 | 16 | 13 | 34 | 0 | 30 | 17 | 11 | 10 | 21 | 27 | 35 | 17 | 21 | 23 | 38 | 19 | 6 |
| 20 | 7 | 14 | 25 | 58 | 0 S | 37 | 17 | 14 | 10 | 34 | 28 | 14 | 18 | 35 | 23 | 12 | 19 | 3 |
| 21 | 8 | 12 | 8 | ♏14 | 1 | 42 | 17 | 18 | 10 | 47 | 28 | 52 | 19 | 48 | 22 | 40 | 18 | 59 |
| 22 | 9 | 10 | 20 | 13 | 2 | 42 | 17 | 21 | 11 | 0 | 29 | 31 | 21 | 2 | 22 | 3 | 18 | 56 |
| 23 | 10 | 9 | 2 | ♐33 | 3 | 34 | 17 | 24 | 11 | 13 | 0 | ♎10 | 22 | 16 | 21 | 21 | 18 | 53 |
| ☉ | 11 | 7 | 13 | 52 | 4 | 20 | 17 | 27 | 11 | 26 | 0 | 48 | 23 | 29 | 20 | 35 | 18 | 50 |
| 25 | 12 | 6 | 25 | 40 | 4 | 47 | 17 | 30 | 11 | 39 | 1 | 27 | 24 | 43 | 19 | 44 | 18 | 47 |
| 26 | 13 | 47 | 7 | ♑36 | 5 | 5 | 17 | 32 | 11 | 52 | 2 | 6 | 25 | 57 | 18 | 49 | 18 | 44 |
| 27 | 14 | 2 | 19 | 46 | 5 | 11 | 17 | 35 | 12 | 5 | 2 | 45 | 27 | 10 | 17 | 50 | 18 | 41 |
| 28 | 15 | 1 | 2 | ♒11 | 5 | 1 | 17 | 37 | 12 | 18 | 3 | 24 | 28 | 24 | 16 | 50 | 18 | 37 |
| 29 | 15 | 59 | 14 | 58 | 4 | 36 | 17 | 40 | 12 | 31 | 4 | 3 | 29 | 38 | 15 | 50 | 18 | 34 |
| 30 | 16 | 58 | 28 | 43 | 3 | 55 | 17 | 42 | 12 | 44 | 4 | 42 | 0 | ♍52 | 14 | 52 | 18 | 31 |
| ☉ | 17 | 56 | 11 | ♓32 | 3 | 1 | 17 | 44 | 12 | 57 | 5 | 21 | 2 | 6 | 13 | 56 | 18 | 28 |

## The Latitude of the Planets.

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36 | 1 | 1 | 0 | 53 | 0 | 41 | 2 | 43 | 1 |
| 1 | 36 | 1 | 1 | 0 | 50 | 0 | 22 | 2 | 35 | 6 |
| 1 | 36 | 1 | 1 | 0 | 48 | 0 | 36 | 3 | 23 | 11 |
| 1 | 37 | 1 | 1 | 0 | 45 | 0 | 48 | 4 | 4 | 16 |
| 1 | 37 | 1 | 2 | 0 | 42 | 0 | 57 | 4 | 17 | 21 |
| 1 | 38 | 1 | 2 | 0 | 40 | 1 | 6 | 3 | 55 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Occid. | ♂ Occid. | ♀ Orien. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | c | Lamm. | | 17△ 0 | | | | | ☌☌♀ | 12 |
| 2 | d | Moſes | 0 ☌ 8 | | | | | | | 13 |
| 3 | e | 8 p. Tri. | | 23□46 | 7 ☌ 21 | | | | * Tail ☋ ☌☌ | 14 |
| 4 | f | Domin. | | | | 3 ☌ 10 | | 5 ☌ 16 | at 5 h. 41′ | 15 |
| 5 | g | Fe. Niv. | | | | | 0 △46 | | | 16 |
| 6 | a | Sixr. E. | 18△53 | 4 ✶54 | | | | | | 17 |
| 7 | b | Cyriac. | | | 18△10 | | 9 □50 | | * Precepe ☌♀, | 18 |
| 8 | c | Roman. | | | | 16△26 | | 18△54 | at 11 ho. 00′ | 19 |
| 9 | d | Theod. | 2 □17 | | 22□10 | | 17✶10 | | * Aldebaran | 20 |
| 10 | e | 9 p. Tri. | | 12☌14 | | 21□58 | | 23□36 | ☌ ☽, at | 21 |
| 11 | f | Tiburt. | 8 ✶53 | | | | | | 17 ho. 30′ | 22 |
| 12 | g | Clara V. | | | 1 ✶47 | | | | | 23 |
| 13 | a | Hippol. | | | | 3 ✶ 3 | | 3 ✶28 | | 24 |
| 14 | b | Euſeb. | | 18✶30 | | | 9 ☌30 | | | 25 |
| 15 | c | Aſſ. Ma. | 23☌10 | | | | | | * Cor ☋ ☌ ☽, | 26 |
| 16 | d | Rochus | | 23□14 | 10☌25 | | | | at 9 ho. 45′ | 27 |
| 17 | e | 10 p. Tri. | | | | 16☌56 | | 12☌ 3 | | 28 |
| 18 | f | Helena | | | | | | | ✶♄♀ | 29 |
| 19 | g | Ma. Ma. | | 7 △ 3 | | | 8 ✶11 | | * Ariſta ☌☽, at | 30 |
| 20 | a | Bernar. | 23✶46 | | | | | | 11 ho. 55′ | 31 |
| 21 | b | Privat. | | | 5 ✶12 | | | | * N. Balance | Septemb. |
| 22 | c | Symph | | | | 20✶ 0 | 1 □50 | 3 ✶40 | ☌ ☽, at | |
| 23 | d | Zachæ. | 16□23 | | 18□57 | | | | 14 ho. 2′ | |
| 24 | e | S. Bart. | | 7 ☌ 19 | Orien. | | 21△50 | 12□46 | ☌☉♃ | |
| 25 | f | Ludov. | | | | 12□12 | | | * Cor ☋ ☌ ☽, at | 5 |
| 26 | g | Severin | 11△41 | | 4 △34 | | | 20△30 | 19 ho 46′ | 6 |
| 27 | a | Ruffus | | | | | | | □♄♀ | 7 |
| 28 | b | Auguſt. | | | | 2 △26 | | | | 8 |
| 29 | c | De. J. B. | | 4 △57 | | | | Orien. | ☌☉♀ | 9 |
| 30 | d | Fœlix | | | | | 5 ☌ 5 | | | 10 |
| 31 | e | 12 p. Tr. | 11 ☌ 58 | 10□56 | 2 ☌ 48 | | | 3 ☌ 54 | □♄☉ | 11 |

| | D | ♄ | ♊ | ♃ | ♍ | ♂ | ♎ | ☉ | ♒ | ♀ | ♊ | ☿ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 10 | 11 | 9 | 45 | 2 | 24 | 18 | 54 | 21 | 6 | 14 | ♐26 | 2✶☉♀. 9□☌♀ |
| | 6 | 10 | 22 | 10 | 8 | 4 | 40 | 23 | 42 | 29 | 11 | 28 | 12 | 10□☌♀. 10△♃♀ |
| | 11 | 10 | 33 | 10 | 30 | 6 | 56 | 28 | 32 | 7 | ♑16 | 12 | ♑28 | 13✶♃♀. 12□♄♃ |
| | 16 | 10 | 44 | 10 | 53 | 9 | 13 | 3 | ♓22 | 15 | 22 | 27 | 44 | 19△♄☌. 19△♄♀ |
| | 21 | 10 | 55 | 11 | 16 | 11 | 30 | 8 | 12 | 23 | 29 | 14 | ♒32 | 20△☌♀. 24□♄☉ |
| | 26 | 11 | 6 | 11 | 39 | 13 | 48 | 13 | 4 | 1 | ♏35 | 3 | ♓28 | 24☌♃☉. 28☌♃♀ |

## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | Lat. | ☽ | ♄ | ♅ | ♆ | ♏ | ♂ | ♎ | ♀ | ♍ | ☿ | ♍ | ☊ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 18 54 | 25 18 | 1 S 58 | | 17 46 | 13 10 | 6 0 | | 3 20 | | 13 4 | | 18 25 | | | |
| 2 | 19 53 | 9 ♈ 21 | 0 48 | | 17 48 | 13 23 | 6 39 | | 4 34 | | 12 17 | | 18 22 | | | |
| 3 | 20 51 | 23 30 | 0 N 27 | | 17 49 | 13 36 | 7 19 | | 5 48 | | 11 35 | | 18 19 | | | |
| 4 | 21 50 | 7 ♉ 50 | 1 43 | | 17 51 | 13 49 | 7 58 | | 7 3 | | 11 1 | | 18 16 | | | |
| 5 | 22 49 | 22 42 | 2 53 | | 17 52 | 14 2 | 8 38 | | 8 17 | | 10 36 | | 18 12 | | | |
| 6 | 23 47 | 6 ♊ 17 | 3 51 | | 17 54 | 14 15 | 9 17 | | 9 31 | | 10 21 | | 18 9 | | | |
| ☉ | 24 46 | 20 21 | 4 40 | | 17 55 | 14 28 | 9 57 | | 10 46 | | 10 16 | | 18 6 | | | |
| 8 | 25 45 | 4 ♋ 20 | 5 4 | | 17 57 | 14 41 | 10 36 | | 12 0 | | 10 D 20 | | 18 3 | | | |
| 9 | 26 43 | 18 16 | 5 11 | | 17 58 | 14 54 | 11 16 | | 13 14 | | 10 32 | | 18 0 | | | |
| 10 | 27 42 | 2 ♌ 35 | 5 0 | | 17 59 | 15 7 | 11 55 | | 14 29 | | 10 54 | | 17 57 | | | |
| 11 | 28 41 | 15 46 | 4 33 | | 18 0 | 15 20 | 12 35 | | 15 43 | | 11 25 | | 17 53 | | | |
| 12 | 29 40 | 29 16 | 3 48 | | 18 0 | 15 32 | 13 15 | | 16 58 | | 12 6 | | 17 50 | | | |
| 13 | 0 ♎ 39 | 12 ♍ 41 | 2 58 | | 18 1 | 15 45 | 13 54 | | 18 12 | | 12 56 | | 17 47 | | | |
| ☉ | 1 38 | 25 50 | 1 53 | | 18 1 | 15 58 | 14 34 | | 19 27 | | 13 56 | | 17 44 | | | |
| 15 | 2 37 | 8 ♎ 47 | 0 46 | | 18 2 | 16 11 | 15 14 | | 20 41 | | 15 2 | | 17 40 | | | |
| 16 | 3 36 | 21 28 | 0 S 21 | | 18 2 | 16 23 | 15 54 | | 21 56 | | 16 13 | | 17 37 | | | |
| 17 | 4 35 | 3 ♏ 55 | 1 26 | | 18 2 | 16 36 | 16 35 | | 23 10 | | 17 30 | | 17 34 | | | |
| 18 | 5 34 | 16 7 | 2 27 | | 18 3 | 16 49 | 17 15 | | 24 25 | | 18 52 | | 17 31 | | | |
| 19 | 6 33 | 28 7 | 3 21 | | 18 3 | 17 2 | 17 55 | | 25 39 | | 20 20 | | 17 28 | | | |
| 20 | 7 32 | 10 ♐ 1 | 4 6 | | 18 Rx 3 | 17 14 | 18 35 | | 26 54 | | 21 50 | | 17 24 | | | |
| ☉ | 8 31 | 21 49 | 4 37 | | 18 3 | 17 27 | 19 15 | | 28 9 | | 23 23 | | 17 21 | | | |
| 22 | 9 31 | 3 ♑ 38 | 5 6 | | 18 3 | 17 39 | 19 56 | | 29 24 | | 24 59 | | 17 18 | | | |
| 23 | 10 30 | 15 34 | 5 16 | | 18 3 | 17 51 | 20 36 | | 0 ♎ 39 | | 26 38 | | 17 15 | | | |
| 24 | 11 29 | 27 41 | 5 6 | | 18 2 | 18 4 | 21 17 | | 1 54 | | 28 19 | | 17 12 | | | |
| 25 | 12 28 | 10 ♒ 5 | 4 45 | | 18 2 | 18 16 | 21 57 | | 3 8 | | 0 ♎ 1 | | 17 9 | | | |
| 26 | 13 28 | 22 50 | 4 13 | | 18 1 | 18 28 | 22 38 | | 4 23 | | 1 45 | | 17 6 | | | |
| 27 | 14 27 | 6 ♓ 0 | 3 22 | | 18 1 | 18 41 | 23 18 | | 5 38 | | 3 29 | | 17 2 | | | |
| ☉ | 15 27 | 19 33 | 2 21 | | 18 0 | 18 53 | 23 59 | | 6 53 | | 5 13 | | 16 59 | | | |
| 29 | 16 26 | 3 ♈ 38 | 1 10 | | 18 59 | 19 5 | 24 39 | | 8 8 | | 6 57 | | 16 56 | | | |
| 30 | 17 26 | 17 58 | 0 N 6 | | 18 58 | 19 18 | 25 20 | | 9 23 | | 8 41 | | 16 53 | | | |

## The Latitude of the Planets.

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38 | 1 | 2 | 0 | 37 | 1 | 15 | 2 | 32 | 1 |
| 1 | 39 | 1 | 2 | 0 | 34 | 1 | 20 | 0 | 56 | 6 |
| 1 | 39 | 1 | 3 | 0 | 32 | 1 | 24 | 0 N | 13 | 11 |
| 1 | 40 | 1 | 3 | 0 | 29 | 1 | 26 | 1 | 26 | 16 |
| 1 | 40 | 1 | 4 | 0 | 27 | 1 | 27 | 1 | 51 | 21 |
| 1 | 41 | 1 | 4 | 0 | 24 | 1 | 26 | 1 | 53 | 26 |

SEP-

## The Lunar Aſpects.

| Jul. A. | W. D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R. ac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Ægid. | | | | 18 8 10 | | | ☌ ♃ ☿ | 12 |
| 2 | g | Anthon | | 14 ✶ 20 | | | | | *H. Andromeda | 13 |
| 3 | a | Theod. | | | | | 22 △ 32 | | ☌ ☽, at | 14 |
| 4 | b | Tr. Cut. | | | 10 △ 15 | | | 5 △ 15 | 1 ho. 28′ | 15 |
| 5 | c | Moſes | 1 △ 20 | | | | | | | 16 |
| 6 | d | Magnus | | 19 ☌ 54 | 13 □ 40 | 5 △ 22 | 5 □ 58 | 6 □ 47 | *Rigel ☌ ☽, at | 17 |
| 7 | e | 13 p. Tr. | 8 □ 8 | | | | | | 11 ho 00′ | 18 |
| 8 | f | Na. V. M | | | 18 ✶ 5 | 11 □ 25 | 14 ✶ 30 | 10 ✶ 29 | | 19 |
| 9 | g | Gorgon | 15 ✶ 50 | | | | | | | 20 |
| 10 | a | Hilary | | | | 18 ✶ 9 | | | ☌ ♃ ♀ | 21 |
| 11 | b | Fælix | | 3 ✶ 58 | | | | | | 22 |
| 12 | c | Guido | | | | | | | | 23 |
| 13 | d | Amatus | | 9 □ 44 | 5 ☌ 38 | | 11 ☌ 40 | ☌ 30 | □ ♄ ♀ | 24 |
| 14 | e | 14 p. Tr. | 11 ☌ 24 | | | | | | ☉ eclip. inviſ. | 25 |
| 15 | f | Nicod. | | 17 △ 32 | | 12 ☌ 54 | | | | 26 |
| 16 | g | Edith | | | | | | | ☌ ♃ ☿ | 27 |
| 17 | a | Lampe. | | | | | | | □ ♄ ♀ | 28 |
| 18 | b | Fereol. | | | 1 ✶ 24 | | 18 ✶ 30 | 6 ✶ 12 | | 29 |
| 19 | c | Januar. | 18 ✶ 33 | | | | | | △ ♄ ♂ | 30 |
| 20 | d | Fauſta | | 16 8 20 | 14 □ 57 | 18 ✶ 28 | | | | 1 |
| 21 | e | S. Mat. | | | | | 14 □ 24 | 3 □ 40 | * Tail of ☋ | |
| 22 | f | Maur. | 12 □ 54 | | | | | | ☌ ♃, at | |
| 23 | g | Tecl. V. | | | 4 △ 34 | 10 □ 34 | | | 4 ho. 00′ | |
| 24 | a | Rupert. | | | | | 9 △ 4 | 1 △ 26 | □ ♄ ♃ | |
| 25 | b | Cleoph. | 4 △ 49 | 15 △ 0 | | 23 △ 36 | | | | 6 |
| 26 | c | Cypria. | | | | | | | *Fomahant | 7 |
| 27 | d | Co. Dam | | 21 □ 19 | 22 8 40 | | | | ☌ ☽, at | 8 |
| 28 | e | 16 p. Tr. | | | | | | | 12 ho. 22′ | 9 |
| 29 | f | S. Mich. | 23 8 3 | | | | 8 8 7 | 6 8 30 | | 10 |
| 30 | g | Hieron. | | 1 ✶ 38 | | 12 8 41 | | | ☽ eclipſ. inviſ. | 11 |

October

| | D | ♄ | ♊ | ♃ | ♍ | ♂ | ♎ | ☉ | ♓ | ♀ | ♌ | ☿ | ♈ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 11 | 21 | 12 | 7 | 16 | 35 | 18 | 54 | 11 | 19 | 0 | ♈ 16 | 1 ✶ ♄ ♀. 3 ✶ ♄ ☿ |
| | 6 | 11 | 32 | 12 | 30 | 18 | 55 | 23 | 47 | 19 | 25 | 26 | 49 | 4 8 ☌ ♀. 5 ✶ ♂ ☿ |
| | 11 | 11 | 43 | 12 | 53 | 21 | 15 | 28 | 41 | 27 | 31 | 27 | ♉ 8 | 13 □ ♃ ♀. 13 ☌ ♄ ☿ |
| | 16 | 11 | 54 | 13 | 16 | 23 | 36 | 3 | ♈ 36 | 5 | ♑ 37 | 29 | ♊ 1 | 8 △ ♃ ☌. 20 □ ♄ ☿ |
| | 21 | 12 | 5 | 13 | 38 | 25 | 56 | 8 | 31 | 13 | 42 | 29 | ♋ 20 | 21 ☌ ♃ ☿. 23 ✶ ♃ ☿ |
| | 26 | 12 | 16 | 14 | 1 | 28 | 18 | 13 | 28 | 21 | 46 | 25 | ♌ 57 | 23 ✶ ♄ ☿. 25 ✶ ♄ ☉ |

## The Diurnal Motion of the Planets.

| Days | ☉ ♎ | ☽ ♉ | Lat. ☽ | ♄ ♓ | ♃ ♍ | ♂ ♎ | ♀ ♏ | ♅ ♎ | ♆ ♑ | ♇ ♈ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 18 25 | 2 3♉ | 1 N 22 | 17 57 | 19 30 | 26 0 | 10 38 | 10 24 | 16 50 | |
| 2 | 19 25 | 17 20 | 2 34 | 17 55 | 19 42 | 26 41 | 11 53 | 12 8 | 16 47 | |
| 3 | 20 24 | 2 ♊ 3 | 3 38 | 17 54 | 19 55 | 27 22 | 13 8 | 13 51 | 16 44 | |
| 4 | 21 24 | 16 41 | 4 29 | 17 52 | 20 7 | 28 2 | 14 23 | 15 34 | 16 41 | |
| ☉ | 22 24 | 1 ♋ 2 | 4 59 | 17 51 | 20 19 | 28 43 | 15 38 | 17 17 | 16 37 | |
| 6 | 23 23 | 15 13 | 5 17 | 17 49 | 20 31 | 29♍24 | 16 53 | 19 0 | 16 34 | |
| 7 | 24 23 | 29 4 | 5 9 | 17 47 | 20 43 | 0 5 | 18 8 | 20 42 | 16 31 | |
| 8 | 25 23 | 12♌39 | 4 41 | 17 45 | 20 54 | 0 46 | 19 23 | 22 24 | 16 28 | |
| 9 | 26 23 | 26 6 | 3 58 | 17 43 | 21 6 | 1 27 | 20 39 | 24 5 | 16 25 | |
| 10 | 27 22 | 9 ♍12 | 3 6 | 17 41 | 21 17 | 2 8 | 21 54 | 25 46 | 16 22 | |
| 11 | 28 22 | 22 8 | 2 5 | 17 39 | 21 29 | 2 49 | 23 9 | 27 26 | 16 18 | |
| ☉ | 29 22 | 4 ♎55 | ☽ 59 | 17 36 | 21 41 | 3 30 | 24 24 | 29 6 | 16 15 | |
| 13 | 0♍22 | 17 33 | 0 S 7 | 17 34 | 21 52 | 4 11 | 25 39 | 0♍46 | 16 12 | |
| 14 | 1 22 | 0 ♍ 2 | 1 12 | 17 31 | 22 3 | 4 52 | 26 55 | 2 25 | 16 9 | |
| 15 | 2 22 | 12 18 | 2 14 | 17 28 | 22 15 | 5 34 | 28 10 | 4 3 | 16 5 | |
| 16 | 3 22 | 24 24 | 3 8 | 17 25 | 22 26 | 6 15 | 29 25 | 5 40 | 16 2 | |
| 17 | 4 22 | 6 ♐20 | 3 55 | 17 22 | 22 37 | 6 56 | 0♍40 | 7 17 | 15 59 | |
| 18 | 5 22 | 18 12 | 4 32 | 17 19 | 22 48 | 7 38 | 1 55 | 8 54 | 15 56 | |
| ☉ | 6 22 | 0 ♑ 2 | 4 57 | 17 16 | 22 59 | 8 19 | 3 11 | 10 30 | 15 53 | |
| 20 | 7 22 | 11 53 | 5 9 | 17 13 | 23 10 | 9 1 | 4 26 | 12 6 | 15 50 | |
| 21 | 8 22 | 23 50 | 5 9 | 17 10 | 23 20 | 9 42 | 5 41 | 13 41 | 15 46 | |
| 22 | 9 22 | 5 ♒55 | 4 57 | 17 6 | 23 31 | 10 24 | 6 56 | 15 16 | 15 43 | |
| 23 | 10 22 | 18 18 | 4 27 | 17 3 | 23 41 | 11 6 | 8 12 | 16 50 | 15 40 | |
| 24 | 11 23 | 0 ♓58 | 3 40 | 16 59 | 23 52 | 11 47 | 9 27 | 18 24 | 15 37 | |
| 25 | 12 23 | 14 6 | 2 43 | 16 56 | 24 2 | 12 29 | 10 42 | 19 58 | 15 33 | |
| ☉ | 13 23 | 27 42 | 1 35 | 16 53 | 24 13 | 13 11 | 11 58 | 21 32 | 15 30 | |
| 27 | 14 24 | 11♈43 | 0 20 | 16 49 | 24 23 | 13 52 | 13 13 | 23 5 | 15 27 | |
| 28 | 15 24 | 26 11 | 0 N 58 | 16 46 | 24 34 | 14 34 | 14 28 | 24 38 | 15 24 | |
| 29 | 16 24 | 11♉ 2 | 2 11 | 16 42 | 24 44 | 15 16 | 15 44 | 26 10 | 15 21 | |
| 30 | 17 25 | 26 4 | 3 16 | 16 38 | 24 54 | 15 57 | 16 59 | 27 42 | 15 17 | |
| 31 | 18 25 | 11♊ 8 | 4 12 | 16 34 | 25 4 | 16 39 | 18 15 | 29 14 | 15 14 | |

### The Latitude of the Planets.

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | N | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41 | 1 | 5 | 0 | 21 | 1 | 23 | 1 | 38 | 1 |
| 1 | 41 | 1 | 6 | 0 | 18 | 1 | 19 | 1 | 13 | 6 |
| 1 | 42 | 1 | 6 | 0 | 15 | 1 | 13 | 0 | 43 | 11 |
| 1 | 42 | 1 | 7 | 0 | 11 | 1 | 6 | 0 | 10 | 16 |
| 1 | 42 | 1 | 8 | 0 | 8 | 0 | 57 | 0 | S 23 | 21 |
| 1 | 43 | 1 | 9 | 0 | 5 | 0 | 47 | 0 | 55 | 26 |

## The Lunar Aſpects.

| Ju.A. | W.D. | Saints Days | ☉ | ♄ Orien. | ♃ Orien. | ♂ Occid. | ♀ Orien. | ☿ Orien. | Planets mutual Aſpects. | R.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Remig. | | | | | | | △ ♄ ☉ | 12 |
| 2 | b | Leod. | | | 3 △56 | | | | * Pleiades | 13 |
| 3 | c | Maxim. | | | | | 19△51 | 21△57 | ♂ ☽, at | 14 |
| 4 | d | Francis | 8 △28 | 1 ♂58 | 5 □48 | 19△57 | | | 13 ho. 54′ | 15 |
| 5 | e | 17 p.Tr. | | | | | | | △ ♄ ☿ | 16 |
| 6 | f | Fides | 14□ 7 | | 9 ✶18 | | 3 □10 | 9 □26 | △ ♄ ♀ | 17 |
| 7 | g | Marcus | | | | 2 □ 0 | | | | 18 |
| 8 | a | Pelagia | | 9 ✶ 6 | | | 13✶17 | 19✶54 | | 19 |
| 9 | b | Dionyſ. | 0 ✶32 | | | 10✶21 | | | 8 day Arcturus | 20 |
| 10 | c | Burch. | | 15□54 | 22♂47 | | | | ♂ ♀, at | 21 |
| 11 | d | Gideon. | | | | | | | 13 ho. 24′ | 22 |
| 12 | e | 18 p.Tr. | | | | | | | ♂ ☉ ♀ | 23 |
| 13 | f | Edward | | 0 △ 2 | | | 17♂18 | Occid. | | 24 |
| 14 | g | Calixt. | 2 ♂48 | | | 10♂12 | | 5 ♂11 | ☉ eclip. inviſib. | 25 |
| 15 | a | Hedwig | | | 20✶ 4 | | | | | 26 |
| 16 | b | Gal'us | | | | | | | ♂ ♂ ☿ | 27 |
| 17 | c | Florent. | | 22 8 14′ | | | | | * Lucida Corona | 28 |
| 18 | d | S. Luke | | | 9 □29 | | | | ♂ ♀, at | 29 |
| 19 | e | 19 p.Tr. | 14✶ 0 | | | 17✶45 | 7 ✶ 8 | | 11 ho. 58′ | 30 |
| 20 | f | Auſtreb | | | 23△ 0 | | | 0 ✶26 | | 31 |
| 21 | g | Cordula | | | | | | | | Nov. |
| 22 | a | 40 Vi.M | 7 □15 | 21△25 | | 9 □12 | 2 □11 | 20□ 6 | * S. Balance | |
| 23 | b | Roman | | | | | | | ♂ ♂, at | |
| 24 | c | Ma. &c | 19△ 1 | | | 20△52 | 15△49 | | 19 ho. 25′ | |
| 25 | d | Criſpin | | 4 □56 | 17 8 47 | Orien. | | 11△44 | ♂ ☉ ♂ | 5 |
| 26 | e | 20 p.Tr. | | | | | | | | 6 |
| 27 | f | Urſula | | 8 ✶28 | | | | | | 7 |
| 28 | g | S.Si.&J | | | | | | | ✶ ♃ ☿. ♂ ♂ ♀ | 8 |
| 29 | a | Narciſſ. | 10 8 52 | | 22△10 | 7 8 15 | 8 8 4 | | * Head of Algol | 9 |
| 30 | b | Theou. | | | | | | 2 8 54 | ♂ ☽, at | 10 |
| 31 | c | Wolfg. | | 8 ♂40 | 22□30 | | | | 17 ho. 38′ | 11 |

| | D | ♄ | ♊ | ♃ | ♍ | ♂ | ♎ | ☉ | ♈ | ♀ | ♑ | ☿ | ♐ | Heliocent. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets, | 1 | 12 | 29 | 14 | 25 | 0 | 45 | 18 | 25 | 29 | 50 | 18 | ♍36 | 8△ ♄ ☿. 9△ ♄ ♀ |
| | 6 | 12 | 40 | 14 | 48 | 3 | 11 | 23 | 23 | 7 | ♎53 | 8 | ♎ 4 | 12 8 ☉ ☿. 15 ♂ ♂ ♀ |
| | 11 | 12 | 51 | 15 | 11 | 5 | 37 | 28 | 22 | 15 | 56 | 25 | 14 | 18✶ ♃ ☿. 25 8 ♂ ☉ |
| | 16 | 13 | 2 | 15 | 34 | 8 | 4 | 3 | ♉22 | 23 | 58 | 10 | ♏46 | 28 8 ♄ ☿. 28□ ♃ ♀ |
| | 21 | 13 | 13 | 15 | 56 | 10 | 32 | 8 | 22 | 2 | ♏025 | 12 | | 28 ♂ ♂ ♀. 29✶ ♃ ♀ |
| | 26 | 13 | 24 | 16 | 19 | 13 | 0 | 13 | 23 | 10 | 0 | 9 | ♐ 2 | 29△ ♃ ☉. 31 8 ☉ ♀ |

NO-

## The Diurnal Motion of the Planets.

| Days. | ☉ ♏ ° ′ | ☽ ♊ ° ′ | Lat. ☽ ° ′ | ♄ ♌ ° ′ | ♃ ♍ ° ′ | ♂ ♏ ° ′ | ♀ ♏ ° ′ | ☿ ♐ ° ′ | ♋ ♈ ° ′ |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19 26 | 26 9 | 4 N 50 | 16 30 | 25 14 | 17 21 | 19 30 | 0 46 | 15 11 |
| ☉ | 20 27 | 10 ♋ 56 | 5 8 | 16 26 | 25 24 | 18 4 | 20 46 | 2 17 | 15 8 |
| 3 | 21 27 | 25 22 | 5 6 | 16 22 | 25 33 | 18 46 | 22 1 | 3 48 | 15 5 |
| 4 | 22 28 | 9 ♌ 25 | 4 45 | 16 18 | 25 43 | 19 28 | 23 17 | 5 18 | 15 1 |
| 5 | 23 29 | 23 3 | 4 8 | 16 13 | 25 52 | 20 10 | 24 32 | 6 48 | 14 58 |
| 6 | 24 29 | 6 ♍ 18 | 3 17 | 16 9 | 26 2 | 20 53 | 25 48 | 8 18 | 14 55 |
| 7 | 25 30 | 19 19 | 2 14 | 16 4 | 26 11 | 21 35 | 27 3 | 9 47 | 14 52 |
| 8 | 26 31 | 2 ♎ 4 | 1 8 | 16 0 | 26 21 | 22 17 | 28 19 | 11 16 | 14 49 |
| ☉ | 27 31 | 14 31 | 0 1 | 15 56 | 26 30 | 23 0 | 29 34 | 12 45 | 14 45 |
| 10 | 28 32 | 26 49 | 1 S 4 | 15 52 | 26 39 | 23 42 | 0 ♐ 50 | 14 14 | 14 42 |
| 11 | 29 33 | 9 ♏ 0 | 2 5 | 15 47 | 26 48 | 24 25 | 2 5 | 15 42 | 14 39 |
| 12 | 0 ♐ 34 | 21 43 | 3 0 | 15 43 | 26 56 | 25 8 | 3 21 | 17 9 | 14 36 |
| 13 | 1 35 | 3 ♐ 43 | 3 44 | 15 38 | 27 5 | 25 51 | 4 36 | 18 36 | 14 33 |
| 14 | 2 35 | 14 58 | 4 23 | 15 33 | 27 13 | 26 33 | 5 52 | 20 2 | 14 30 |
| 15 | 3 36 | 26 48 | 4 50 | 15 28 | 27 22 | 27 16 | 7 7 | 21 47 | 14 26 |
| ☉ | 4 37 | 8 ♑ 40 | 5 4 | 15 23 | 27 30 | 27 59 | 8 23 | 22 51 | 14 23 |
| 17 | 5 38 | 20 36 | 5 7 | 15 18 | 27 38 | 28 42 | 9 38 | 24 14 | 14 20 |
| 18 | 6 39 | 2 ♒ 33 | 4 54 | 15 13 | 27 46 | 29 25 | 10 54 | 25 36 | 14 17 |
| 19 | 7 40 | 14 44 | 4 28 | 15 8 | 27 54 | 0 ♐ 8 | 12 9 | 26 57 | 14 13 |
| 20 | 8 41 | 27 5 | 3 48 | 15 3 | 28 2 | 0 51 | 13 25 | 28 17 | 14 10 |
| 21 | 9 42 | 9 ♓ 44 | 2 58 | 14 58 | 28 10 | 1 34 | 14 40 | 29 35 | 14 7 |
| 22 | 10 43 | 22 45 | 1 54 | 14 53 | 28 17 | 2 17 | 15 56 | 0 ♑ 50 | 14 4 |
| ☉ | 11 44 | 6 ♈ 12 | 0 44 | 14 48 | 28 25 | 3 1 | 17 11 | 2 3 | 14 1 |
| 24 | 12 45 | 20 5 | 0 N 33 | 14 43 | 28 32 | 3 44 | 18 27 | 3 13 | 13 58 |
| 25 | 13 46 | 4 ♉ 26 | 1 47 | 14 38 | 28 39 | 4 27 | 19 42 | 4 20 | 13 55 |
| 26 | 14 47 | 19 10 | 2 56 | 14 33 | 28 46 | 5 10 | 20 58 | 5 23 | 13 54 |
| 27 | 15 48 | 4 ♊ 16 | 3 55 | 14 28 | 28 52 | 5 54 | 22 14 | 6 22 | 13 48 |
| 28 | 16 49 | 19 30 | 4 35 | 14 23 | 28 59 | 6 37 | 23 29 | 7 16 | 13 45 |
| 29 | 17 50 | 4 ♋ 41 | 4 58 | 14 18 | 29 5 | 7 20 | 24 45 | 8 5 | 13 42 |
| ☉ | 18 51 | 19 46 | 5 4 | 14 13 | 29 12 | 8 3 | 26 0 | 8 48 | 13 39 |

**The Latitude of the Planets**

| ♄ | S | ♃ | N | ♂ | N | ♀ | N | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43 | 1 | 10 | 0 | 2 | 0 | 36 | 1 | 29 | 1 |
| 1 | 43 | 1 | 11 | 0 S | 1 | 0 | 22 | 1 | 56 | 6 |
| 1 | 43 | 1 | 12 | 0 | 4 | 0 | 13 | 2 | 11 | 11 |
| 1 | 43 | 1 | 13 | 0 | 7 | 0 | 1 | 2 | 21 | 16 |
| 1 | 42 | 1 | 14 | 0 | 10 | 0 S | 10 | 2 | 20 | 21 |
| 1 | 42 | 1 | 15 | 0 | 13 | 0 | 21 | 2 | 0 | 26 |

NO-

## The Lunar Aſpects.

| Ja. | W.D | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets Mutual Aſpects. | Rac. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ♄ | *Om. Sa.* | | | | | | | ☌☉☿ | 12 |
| 2 | ☽ | *Om. An.* | 17△ 0 | | | 12△28 | 17△54 | | * Pollux ☌☽, | 13 |
| 3 | ♀ | Winifr. | | | 0 ✶22 | | | 16△ 9 | at 13 ho. 58′ | 14 |
| 4 | ☿ | Amant. | | 12✶ 8 | | 18□54 | | | | 15 |
| 5 | ♂ | Lætus | 0 □50 | | | | 2 □58 | | * Cor ♌ ☌☽, at | 16 |
| 6 | ♃ | Leonar. | | 18□ 1 | | | | 4 □10 | 4 ho. 51′ | 17 |
| 7 | ♄ | Florent | 12✶36 | | 13☌ 64 | ✶32 | 16✶30 | | | 18 |
| 8 | ♅ | Severus | | | | | | 20✶26 | | 19 |
| 9 | ♆ | 22 *p. Tr* | | 2 △44 | | | | | * Ariſta ☿☽ at | 20 |
| 10 | ♇ | Mart P. | | | | | | | 10 ho. 10′ | 21 |
| 11 | ♈ | Mart. E. | | | | | | | ☿♄♀ | 22 |
| 12 | ♉ | Ludov. | 20☌42 | | 11✶54 | 8 ☌38 | | | | 23 |
| 13 | ♊ | Aſcani. | | | | | 3 ☌25 | | * Antares ☌♀ | 24 |
| 14 | ♋ | Freder | | 1 8 10 | | | | 12☌ 2 | at 19 h. 12′ | 25 |
| 15 | ♌ | Leop. | | | 1 □10 | | | | ☿♃☌ | 26 |
| 16 | ♆ | 23 *p Tr* | | | | | | | | 27 |
| 17 | ♍ | Anianus | | | 14△18 | 17✶17 | | | | 28 |
| 18 | ♈ | Oct. Ma | 3 ✶44 | | | | 18✶20 | | * Head of Hercules | 29 |
| 19 | ♉ | Elizab. | | 0 △48 | | | | | ☌♀, at 20 ho. 28′ | 30 |
| 20 | ♊ | Eugen. | 23□54 | | | 8 □15 | | 2 ✶33 | □♃♀ | 1 |
| 21 | ♋ | Ob. V. M | | 9 □36 | | | 10□ 4 | | ☿♄♀ | Decem. |
| 22 | ♌ | Cæcilia | | | 9 84 | 0 18△ 2 | | 15□52 | | |
| 23 | ♆ | 24 *p Tr* | 10△14 | 14✶46 | | | 22△ 4 | | * Head Andromeda | |
| 24 | ♍ | Chriſo. | | | | | | 23△48 | ☌☽, at 5 ho 00′. | |
| 25 | ♎ | Cathar. | | | | | | | ☌☌♀ | 6 |
| 26 | ♏ | Conrad. | | | 15△22 | | | | * Antares ☌☌, | 7 |
| 27 | ♐ | Gunth. | 19 8 22 | 15☌55 | | 2 842 | | | at 16 ho. 22′ | 8 |
| 28 | ♑ | Ruffus | | | 15□ 2 | | 6 851 | | | 9 |
| 29 | ♄ | Saturn. | | | | | | 5 841 | | 10 |
| 30 | ♆ | *Ad. Sun.* | | | 15✶32 | | | | S. Andrew. | 11 |

| | D | ♄ | ♊ | ♃ | ♍ | ♂ | ♏ | ☉ | ♉ | ♀ | ♏ | ☿ | ♐ | Heliocent. Aſpects |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 13 | 38 | 16 | 46 | 16 | 3 | 19 | 26 | 19 | 35 | 25 | ♐31 | 18☉♀. 4✶4☌ |
| | 6 | 13 | 49 | 17 | 9 | 18 | 35 | 24 | 29 | 27 | 33 | 10 | ♍40 | 8△4♀. 9✶☌☿ |
| | 11 | 14 | 1 | 17 | 32 | 21 | 9 | 29 | 33 | 5 | ♐31 | 24 | 42 | 13△☉☿. 178♄☿ |
| | 16 | 14 | 12 | 17 | 55 | 23 | 44 | 4 | ♋37 | 13 | 29 | 11 | ♒ 9 | 18△♄♀. 20□☌☿ |
| | 21 | 14 | 23 | 18 | 18 | 26 | 20 | 9 | 42 | 21 | 26 | 29 | 36 | 24□♄☿. 25☌♄☉ |
| | 26 | 14 | 34 | 18 | 41 | 28 | 58 | 14 | 47 | 29 | 22 | 20 | ♓52 | 25.8♃☿. 30□♃☉ |

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## The Diurnal Motion of the Planets.

| Days | ☉ | ☽ | ☊ | Lat. | ☽ | ♄ | ♅ | ♃ | ♏ | ♂ | ♐ | ♀ | ♑ | ☿ | ♒ | ♋ | ♈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | ° ′ | ° ′ | | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ | ° ′ |
| 1 | 19 52 | 4 25 | 4 | N 52 | | 14 8 | 29 18 | 8 47 | 27 16 | 9 23 | 13 36 | | | | | | |
| 2 | 20 53 | 18 43 | 4 | 14 | | 14 3 | 29 24 | 9 31 | 28 31 | 9 52 | 13 32 | | | | | | |
| 3 | 21 54 | 2 ♏ 32 | 3 | 25 | | 13 58 | 29 30 | 10 15 | 29 47 | 10 10 | 13 29 | | | | | | |
| 4 | 22 55 | 15 54 | 2 | 25 | | 13 53 | 29 35 | 10 58 | 1 ♒ 2 | 10 17 | 13 26 | | | | | | |
| 5 | 23 56 | 28 53 | 1 | 19 | | 13 48 | 29 41 | 11 42 | 2 18 | 10 ℞ 16 | 13 23 | | | | | | |
| 6 | 24 58 | 11 ♎ 32 | 0 | 10 | | 13 43 | 29 46 | 12 26 | 3 33 | 10 1 | 13 20 | | | | | | |
| ☉ | 25 59 | 23 54 | 0 | S 56 | | 13 38 | 29 51 | 13 10 | 4 49 | 9 34 | 13 17 | | | | | | |
| 8 | 27 0 | 6 ♏ 7 | 2 | 1 | | 13 33 | 29 56 | 13 53 | 6 4 | 8 56 | 13 13 | | | | | | |
| 9 | 28 1 | 18 9 | 2 | 56 | | 13 28 | ☽ ♎ 1 | 14 37 | 7 25 | 8 7 | 13 10 | | | | | | |
| 10 | 29 3 | 0 ♐ 43 | 3 | 43 | | 13 23 | 0 6 | 15 21 | 8 35 | 7 10 | 13 7 | | | | | | |
| 11 | 0 ♒ 4 | 11 55 | 4 | 20 | | 13 19 | 0 12 | 16 5 | 9 51 | 6 3 | 13 4 | | | | | | |
| 12 | 1 5 | 23 47 | 4 | 44 | | 13 14 | 0 17 | 16 49 | 11 6 | 4 51 | 13 1 | | | | | | |
| 13 | 2 6 | 5 ♒ 40 | 4 | 58 | | 13 10 | ☽ 21 | 17 33 | 12 22 | 3 20 | 12 58 | | | | | | |
| ☉ | 3 7 | 17 37 | 5 | 2 | | 13 5 | ☽ 25 | 18 18 | 13 37 | 2 5 | 12 55 | | | | | | |
| 15 | 4 9 | 29 39 | 4 | 51 | | 12 1 | 0 28 | 19 2 | 14 53 | 0 42 | 12 51 | | | | | | |
| 16 | 5 10 | 11 ♓ 47 | 4 | 28 | | 12 56 | 0 32 | 19 46 | 16 8 | 29 ♐ 23 | 12 48 | | | | | | |
| 17 | 6 11 | 24 13 | 3 | 52 | | 12 52 | 0 35 | 20 30 | 17 24 | 28 8 | 12 45 | | | | | | |
| 18 | 7 12 | 6 ♈ 30 | 3 | 1 | | 12 48 | ☽ 39 | 21 14 | 18 39 | 27 3 | 12 42 | | | | | | |
| 19 | 8 13 | 19 12 | 2 | 3 | | 12 44 | ☽ 42 | 21 59 | 19 55 | 26 7 | 12 38 | | | | | | |
| 20 | 9 14 | 2 ♉ 9 | 0 | 57 | | 12 40 | 0 45 | 22 43 | 21 10 | 25 22 | 12 35 | | | | | | |
| ☉ | 10 16 | 15 26 | 0 | N 16 | | 12 36 | ☽ 48 | 23 27 | 22 26 | 24 48 | 12 32 | | | | | | |
| 22 | 11 17 | 29 10 | 1 | 28 | | 12 32 | ☽ 51 | 24 12 | 23 41 | 24 25 | 12 29 | | | | | | |
| 23 | 12 18 | 13 ♊ 17 | 2 | 35 | | 12 28 | ☽ 53 | 24 56 | 24 57 | 24 12 | 12 26 | | | | | | |
| 24 | 13 20 | 27 50 | 3 | 38 | | 12 22 | ☽ 56 | 25 41 | 26 12 | 24 4 | 12 23 | | | | | | |
| 25 | 14 21 | 12 ♋ 41 | 4 | 25 | | 12 20 | 0 58 | 26 26 | 27 28 | 24 D 8 | 12 20 | | | | | | |
| 26 | 15 22 | 27 40 | 4 | 53 | | 12 16 | 1 0 | 27 10 | 28 43 | 24 20 | 12 16 | | | | | | |
| 27 | 16 23 | 12 ♌ 55 | 5 | 2 | | 12 13 | 1 2 | 27 55 | 29 58 | 24 37 | 12 13 | | | | | | |
| ☉ | 17 25 | 28 3 | 4 | 50 | | 12 9 | 1 4 | 28 40 | 1 ♓ 14 | 25 3 | 12 10 | | | | | | |
| 29 | 18 26 | 12 ♌ 48 | 4 | 22 | | 12 6 | 1 6 | 29 24 | 2 29 | 25 37 | 12 7 | | | | | | |
| 30 | 19 27 | 27 18 | 3 | 36 | | 12 2 | 1 8 | 0 ♒ 9 | 3 45 | 26 17 | 12 4 | | | | | | |
| 31 | 20 28 | 11 ♍ 17 | 2 | 35 | | 11 59 | 1 9 | 0 54 | 5 0 | 27 0 | 12 1 | | | | | | |

**The Latitude of the Planets**

| ♄ | S | ♅ | N | ♂ | ☊ | ♀ | S | ☿ | S | Days. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 42 | 1 | 16 | 0 | 16 | 0 | 34 | 1 | 16 | | 1 |
| 1 41 | 1 | 18 | 0 | 19 | 0 | 45 | 0 | 1 | | 6 |
| 1 41 | 1 | 19 | 0 | 22 | 0 | 55 | 1 | N 35 | | 11 |
| 1 40 | 1 | 20 | 0 | 25 | 1 | 42 | | 51 | | 16 |
| 1 39 | 1 | 21 | 0 | 28 | 1 | 123 | | 10 | | 21 |
| 1 38 | 1 | 23 | 0 | 31 | 1 | 192 | | 46 | | 26 |

DE-

## The Lunar Aſpects.

| Ja.A. | W.D. | Saints Days. | ☉ | ♄ Orien. | ♃ Orien. | ♂ Orien. | ♀ Occid. | ☿ Occid. | Planets mutual Aſpects. | Ro.A. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | f | Eligius | | 16 ✶ 12 | | 7 △ 45 | | | 2 day H. of Hydra | 12 |
| 2 | g | Libanus | 4 △ 2 | | | | 17 △ 4 ♌ | | ☌ ☽, at 7 h. 48′ | 13 |
| 3 | a | Caſſian | | 20 □ 22 | | 14 □ 36 | | 13 △ 48 | □ ♃ ☿ | 14 |
| 4 | b | Barbara | 12 □ 57 | | | | | | | 15 |
| 5 | c | Sabina | | | 1 ☌ 49 | | 7 □ 6 | 21 □ 11 | * Head of Hercules | 16 |
| 6 | d | Nichol. | | 4 △ 11 | | 1 ✶ 56 | | | ☌ ☌, at 8 ho. 44′ | 17 |
| 7 | ♌ | 2 *Su. Ad* | 4 ✶ 26 | | | | 23 ✶ 54 | | 8 ♄ ☌ | 18 |
| 8 | f | Co. B. V. | | | | | | 5 ✶ 22 | | 19 |
| 9 | g | Cyprian | | | | | | | ☌ ☿ ☿ | 20 |
| 10 | a | Eulatia | | | ☍ ✶ 4 | | | | | 21 |
| 11 | b | Damaſ. | | 2 8 48 | | 8 ☌ 58 | | | □ ♃ ☉ | 22 |
| 12 | c | Valerius | 16 ☌ 5 | | 13 □ 11 | | | 19 ☌ 50 | | 23 |
| 13 | d | Lucia V. | | | | | 14 ☌ 40 | *Orien.* | ☌ ☉ ☿ | 24 |
| 14 | ♍ | 3 *Su. Ad.* | | | | | | | 13 day Shining Harp | 25 |
| 15 | f | Abrah. | | | 1 △ 38 | | | | ☌ ☽, at 11 ho. 6′ | 26 |
| 16 | g | Ananias | | 2 △ 15 | | 16 ✶ 4 ♌ | | | | 27 |
| 17 | a | Lazarus | | | | | | 7 ✶ 17 | | 28 |
| 18 | b | Rufus | 1 ✶ 19 | 11 □ 51 | | | | | * Rigel ☌ ♄ at | 29 |
| 19 | c | Loth. | | | 21 8 24 | 5 □ 27 | 1 ✶ 26 | 12 □ 6 | Noon | 30 |
| 20 | d | Ammo. | 13 □ 52 | 18 ✶ 54 | | | | | | 31 |
| 21 | ♍ | *S. Thom.* | | | | 14 △ 48 | 13 □ 26 | 15 △ 57 | | |
| 22 | f | 30 Mar. | 22 △ 11 | | | | | | ☌ ☌ ☿ | |
| 23 | g | Vict. &c. | | | | | 21 △ 3 | | * Pleiades ☌ ☽, at | *Jan.* |
| 24 | a | Ignatius | | 23 ☌ 20 | 5 △ 2 | | | | 20 ho. 46′ | |
| 25 | b | *Chriſtm.* | | | | 23 8 ♌ | | 18 8 32 | * Mid. * Oriens | 5 |
| 26 | c | *S. Steph.* | | | 5 □ 15 | | | | Belt. ☌ ☽, at | 6 |
| 27 | d | *S. John* | 5 8 22 | | | | | | 10 ho. 48′ | 7 |
| 28 | ♍ | *S. Innoc.* | | 22 ✶ 38 | 4 ✶ 56 | | 5 8 40 | | | 8 |
| 29 | f | Jonat. | | | | | | 20 △ 27 | * Cor ♌ ☌ ☽, | 9 |
| 30 | g | David | | | | 5 △ 6 | | | at 3 ho. 10′ | 10 |
| 31 | a | Silveſt. | 16 △ 55 | 1 □ 24 | | | | | | 11 |

| | D | ♄ | ♅ | ♃ | ♍ | ♂ | ♐ | ☉ | ♊ | ☿ | ♎ | ☽ | ♈ | Heliocentr. Aſpects. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heliocentrick places of the Planets. | 1 | 14 | 46 | 19 | 3 | 1 | 36 | 19 | 52 | 7 | 17 | 15 | ♈ 52 | 8 △ ♃ ☿. 8 △ ♃ ♀ |
| | 6 | 14 | 47 | 19 | 26 | 4 | 17 | 24 | 58 | 15 | 12 | 14 | ♉ 51 | 9 8 ☌ ☽. 13 □ ♃ ☿ |
| | 11 | 15 | 8 | 19 | 49 | 6 | 58 | 0 | ♋ 4 | 23 | 7 | 16 | ♊ 28 | 17 ✶ ♃ ☿. 20 △ ☌ ☿ |
| | 16 | 15 | 19 | 20 | 12 | 9 | 41 | 5 | 10 | 1 | ♒ 2 | 17 | ♋ 45 | 25 ✶ ☌ ☽. 25 △ ♄ ☽ |
| | 21 | 15 | 30 | 20 | 35 | 12 | 25 | 10 | 16 | 8 | 58 | 15 | ♌ 56 | 26 8 ♄ ☌. 28 □ ✶ ☿ |
| | 26 | 15 | 41 | 20 | 58 | 15 | 7 | 15 | 22 | 16 | 54 | 10 | ♍ 6 | 28 ☌ ♃ ☽ 29 ✶ ♃ |

*The Radices of the middle Motions of the Planets* January *the First* 1707, *Old Style, according to* SCIENTIA STELLARUM.

| | S | D | ′ | ″ |
|---|---|---|---|---|
| THE Progreſſion of the firſt ✱ of ♈ from the Vernal Equinox | 0 | 29 | 5 | 52 |
| The middle Longitude of the Sun | 9 | 21 | 15 | 8 |
| The Aphelion of the Sun | 3 | 7 | 32 | 27 |
| The Anomaly of the Sun | 6 | 13 | 42 | 41 |
| The middle Longitude of the Moon | 1 | 7 | 58 | 00 |
| The Aphelion of the Moon | 7 | 13 | 5 | 00 |
| The Node Aſcend. of the Moon | 1 | 1 | 17 | 00 |
| The middle Motion of *Saturn* | 1 | 5 | 3 | 00 |
| The Aphelion of *Saturn* | 8 | 28 | 15 | 00 |
| The Node Aſcend. of *Saturn* | 3 | 21 | 37 | 00 |
| The middle Motion of *Jupiter* | 4 | 19 | 14 | 00 |
| The Aphelion of *Jupiter* | 6 | 10 | 11 | 00 |
| The Node Aſcend. of *Jupiter* | 3 | 7 | 19 | 00 |
| The middle Motion of *Mars* | 2 | 17 | 10 | 00 |
| The Aphelion of *Mars* | 5 | 1 | 9 | 00 |
| The Node Aſcend. of *Mars* | 1 | 18 | 0 | 00 |
| The middle Motion of *Venus* | 3 | 11 | 52 | 00 |
| The Aphelion of *Venus* | 10 | 1 | 35 | 00 |
| The Node Aſcend. of *Venus* | 2 | 14 | 24 | 00 |
| The middle Motion of *Mercury* | 3 | 17 | 30 | 00 |
| The Aphelion of *Mercury* | 8 | 13 | 7 | 00 |
| The Node Aſcend. of *Mercury* | 1 | 15 | 19 | 00 |

*End of the Ephemeris for the Year of the Chriſtian* Æra 1707.